



碧云天生物技术/Beyotime Biotechnology
订货热线: 400-1683301 或 800-8283301
订货 e-mail: order@beyotime.com
技术咨询: info@beyotime.com
网址: http://www.beyotime.com

PMSF (100mM)

产品编号	产品名称	包装
ST506	PMSF (100mM)	10ml

产品简介:

- PMSF即Phenylmethanesulfonyl fluoride，中文名为苯甲基磺酰氟。分子式为C₇H₇FO₂S，分子量为174.19，纯度>99%。
- 常用生化试剂，用于抑制蛋白酶，进口试剂配制。
- 第一次使用时把一管PMSF晶体全部倒入到PMSF溶剂中，溶解混匀，即配制成10毫升100mM PMSF。

包装清单:

产品编号	产品名称	包装
ST506-1	PMSF (晶体)	可以配制10毫升
ST506-2	PMSF (溶剂)	10ml
-	说明书	1份

保存条件:

室温保存，配成PMSF溶液后需-20°C保存。

注意事项:

- 本产品对人体有毒，操作时请特别小心，并注意有效防护以避免直接接触人体或吸入体内。
- 本产品仅限于专业人员的科学的研究用，不得用于临床诊断或治疗，不得用于食品或药品，不得存放于普通住宅内。
- 为了您的安全和健康，请穿实验服并戴一次性手套操作。

使用本产品的文献:

1. Xiong Y, Li T, Assani G, Ling H, Zhou Q, Zeng Y, Zhou F, Zhou Y Ribociclib, a selective cyclin D kinase 4/6 inhibitor, inhibits proliferation and induces apoptosis of human cervical cancer in vitro and in vivo. *Biomed Pharmacother* 112:108602. 2019 Apr
2. Cao Y, Guan Y, Xu YY, Hao CM Endothelial prostacyclin protects the kidney from ischemia-reperfusion injury. *Pflugers Arch* 471(4):543-555. 2019 Apr
3. Li F, Song X, Su G, Wang Y, Wang Z, Qing S, Jia J, Wang Y, Huang L, Zheng K, Wang Y AT-533, a Hsp90 inhibitor, attenuates HSV-1-induced inflammation. *Biochem Pharmacol* 166:82-92. 2019 Aug
4. Han Z, Wang W, Lv X, Zong Y, Liu S, Liu Z, Wang L, Song L ATG10 (autophagy-related 10) regulates the formation of autophagosome in the anti-virus immune response of pacific oyster (*Crassostrea gigas*). *FISH SHELLFISH IMMUN* 91:325-332. 2019 Aug
5. Zhou Y, Zhang D, Hu D, Liu B, Peng J, Shen L, Long C, Yu Y, Zhang Y, Liu X, Tao X, Timashev P, Lin T, He D, Wei G Retinoic acid: A potential therapeutic agent for cryptorchidism infertility based on investigation of flutamide-induced cryptorchid rats in vivo and in vitro. *Reprod Toxicol* 87:108-117. 2019 Aug
6. Wang JQ, Dong Y, Li SJ, Pan CL, Liu HY, Wang YK, Xu L, Yang JH, Cui YX, He JT, Mang J, Xu ZX Knockdown of microRNA-17-5p Enhances the Neuroprotective Effect of Act A/Smads Signal Loop After Ischemic Injury. *Neurochem Res* 44(8):1807-1817. 2019 Aug
7. Zhang M, Zhang M, Wang L, Yu T, Jiang S, Jiang P, Sun Y, Pi J, Zhao R, Guan D Activation of cannabinoid type 2 receptor protects skeletal muscle from ischemia-reperfusion injury partly via Nrf2 signaling. *Life Sci* 230:55-67. 2019 Aug 1
8. Zhang H, Ji L, Yang Y, Wei Y, Zhang X, Gang Y, Lu J, Bai L The Therapeutic Effects of Treadmill Exercise on Osteoarthritis in Rats by Inhibiting the
9. Yan Z, Su G, Gao W, He J, Shen Y, Zeng Y, Liu X Fluid shear stress induces cell migration and invasion via activating autophagy in HepG2 cells. *CELL ADHES MIGR* 13(1):152-163. 2019 Dec
10. Li T, Xiong Y, Wang Q, Chen F, Zeng Y, Yu X, Wang Y, Zhou F, Zhou Y Ribociclib (LEE011) suppresses cell proliferation and induces apoptosis of MDA-MB-231 by inhibiting CDK4/6-cyclin D-Rb-E2F pathway. *ARTIF CELL NANOMED B* 47(1):4001-4011. 2019 Dec
11. Yang LL, Zhang PF, Zhang TY, Shen W, Zhao Y, Yin S Ortho-phenylphenol exposure impairs porcine sperm motility through AMPK/AKT signaling pathway. *Environ Mol Mutagen* 60(9):830-836. 2019 Dec
12. Qian Y, Wang Q, Jiao J, Wang G, Gu Z, Huang D, Wang Z Intrathecal injection of dexamethasone ameliorates chronic neuropathic pain via the modulation of MPK3/ERK1/2 in a mouse model of chronic neuropathic pain. *Neurol Res* 41(12):1059-1068. 2019 Dec
13. Qin S, Wang H, Liu G, Mei H, Chen M miR-21-5p ameliorates hyperoxic acute lung injury and decreases apoptosis of AEC II cells via PTEN/AKT signaling in rats. *Mol Med Rep* 20(6):4953-4962. 2019 Dec
14. Huang S, Tang N, Zhao H, Tang CL Effect of electrical stimulation combined with diet therapy on insulin resistance via mTOR signaling. *Mol Med Rep* 20(6):5152-5162. 2019 Dec
15. Assani G, Segbo J, Yu X, Yessoufou A, Xiong Y, Zhou F, Zhou Y Downregulation of TMPRSS4 Enhances Triple-Negative Breast Cancer Cell Radiosensitivity Through Cell Cycle and Cell Apoptosis Process Impairment. *ASIAN PAC J CANCER P* 20(12):3679-3687. 2019 Dec 1
16. Chang L, Shi R, Wang X, Bao Y Gypenoside A protects ischemia/reperfusion injuries by suppressing miR-143-3p level via the activation of AMPK/Foxo1

- pathway. *Biofactors* 2019 Dec 30
17. Zou M, Hu X, Xu B, Tong T, Jing Y, Xi L, Zhou W, Lu J, Wang X, Yang X, Liao F Glutathione S-transferase isozyme alpha 1 is predominantly involved in the cisplatin resistance of common types of solid cancer. *Oncol Rep* 41(2):989-998. 2019 Feb
 18. Li W, Yin N, Tao W, Wang Q, Fan H, Wang Z Berberine suppresses IL-33-induced inflammatory responses in mast cells by inactivating NF- κ B and p38 signaling. *Int Immunopharmacol* 66:82-90. 2019 Jan
 19. Zhang X, Yang Y, Li X, Zhang H, Gang Y, Bai L Alterations of autophagy in knee cartilage by treatment with treadmill exercise in a rat osteoarthritis model. *Int J Mol Med* 43(1):336-344. 2019 Jan
 20. Jia Q, Yang R, Liu XF, Ma SF, Wang L Genistein attenuates renal fibrosis in streptozotocin-induced diabetic rats. *Mol Med Rep* 19(1):423-431. 2019 Jan
 21. Jin SH, Yao Y, Wu Q [RNA Enhancement by lncRNA Promotes Translation Through Recruitment of ILF3 and EIF4A1 to the Target Mammalian mRNAs]. *Mol Biol (Mosk)* 53(1):64-73. 2019 Jan-Feb
 22. Zhou X, Chu X, Yuan H, Qiu J, Zhao C, Xin D, Li T, Ma W, Wang H, Wang Z, Wang D Mesenchymal stem cell derived EVs mediate neuroprotection after spinal cord injury in rats via the microRNA-21-5p/FasL gene axis. *Biomed Pharmacother* 115:108818. 2019 Jul
 23. Lin ZH, Li YC, Wu SJ, Zheng C, Lin YZ, Lian H, Lin WQ, Lin JF Eliciting α 7-nAChR exerts cardioprotective effects on ischemic cardiomyopathy via activation of AMPK signalling. *J Cell Mol Med* 23(7):4746-4758. 2019 Jul
 24. Yu LM, Zhu YS, Xu CZ, Zhou LL, Xue ZX, Cai ZZ High calpain-1 expression predicts a poor clinical outcome and contributes to tumor progression in pancreatic cancer patients. *Clin Transl Oncol* 21(7):924-932. 2019 Jul
 25. Nie Z, Deng S, Zhang L, Chen S, Lu Q, Peng H Crocin protects against dexamethasone-induced osteoblast apoptosis by inhibiting the ROS/Ca²⁺-mediated mitochondrial pathway. *Mol Med Rep* 20(1):401-408. 2019 Jul
 26. Xu L, Zhao G, Zhu H, Wang S, Sun A, Zou Y, Ge J Peroxisome Proliferator-Activated Receptor- γ Antagonizes LOX-1-Mediated Endothelial Injury by Transcriptional Activation of miR-590-5p. *PPAR Res* 2019:2715176. 2019 Jul 1
 27. Liu M, Xing F, Bian C, Zhao Y, Zhao J, Liu Y, Zhang J Letrozole induces worse hippocampal synaptic and dendritic changes and spatial memory impairment than ovariectomy in adult female mice. *Neurosci Lett* 706:61-67. 2019 Jul 27
 28. Sun J, Zhang C, Zhang Z Atorvastatin attenuates cardiac hypertrophy through AMPK/miR-143-3p/Bcl2 axis. *Arch Physiol Biochem* 2019 Jul 29:1-7
 29. Liu Y, Liao L, Chen Y, Han F Effects of daphnetin on lipid metabolism, insulin resistance and oxidative stress in OA-treated HepG2 cells. *Mol Med Rep* 19(6):4673-4684. 2019 Jun
 30. Zhang S, Xu L, Tang Z, Wang H, Gu J, Sun B, Zhang W, Niu D, Feng J Overexpression of Alteration/Deficiency in Activation 3 correlates with poor prognosis in non-small cell lung cancer. *Pathol Res Pract* 215(6):152408. 2019 Jun
 31. Assani G, Yessoufou A, Xiong Y, Segbo J, Yu X, Zhou F, Zhou Y Role of TMPRSS4 Modulation in Breast Cancer Cell Proliferation. *ASIAN PAC J CANCER P* 20(6):1849-1856. 2019 Jun 1
 32. Yu Q, Pu SY, Wu H, Chen XQ, Jiang JJ, Gu KS, He YH, Kong QP TICRR Contributes to Tumorigenesis Through Accelerating DNA Replication in Cancers. *Front Oncol* 9:516. 2019 Jun 18
 33. Song T, Wu H, Li R, Xu H, Rao X, Gao L, Zou Y, Lei H Repeated fluoxetine treatment induces long-lasting neurotrophic changes in the medial prefrontal cortex of adult rats. *Behav Brain Res* 365:114-124. 2019 Jun 3
 34. Huang X, Han X, Huang Z, Yu M, Zhang Y, Fan Y, Xu B, Zhou K, Song L, Wang X, Lu C, Xia Y Maternal pentachlorophenol exposure induces developmental toxicity mediated by autophagy on pregnancy mice. *ECOTOX ENVIRON SAFE* 169:829-836. 2019 Mar
 35. Qian FH, Deng X, Zhuang QX, Wei B, Zheng DD miR-625-5p suppresses inflammatory responses by targeting AKT2 in human bronchial epithelial cells. *Mol Med Rep* 19(3):1951-1957. 2019 Mar
 36. Wang Y, Wang C, Zhang Y, Wang G, Yang H Pre-administration of luteolin attenuates neonatal sevoflurane-induced neurotoxicity in mice. *Acta Histochem* 121(4):500-507. 2019 May
 37. Liu Z, Yu X, Tong C, Qi H Renal dysfunction in a mouse model of GDM is prevented by metformin through MAPKs. *Mol Med Rep* 19(5):4491-4499. 2019 May
 38. Sun T, Liu Z, Liu M, Guo Y, Sun H, Zhao J, Lan Z, Lian B, Zhang J Hippocampus-specific Rictor knockdown inhibited 17 β -estradiol induced neuronal plasticity and spatial memory improvement in ovariectomized mice. *Behav Brain Res* 364:50-61. 2019 May 17
 39. Qiu JF, Li X, Cui WZ, Liu XF, Tao H, Yang K, Dai TM, Sima YH, Xu SQ Inhibition of Period Gene Expression Causes Repression of Cell Cycle Progression and Cell Growth in the *Bombyx mori* Cells. *Front Physiol* 10:537. 2019 May 3
 40. Zhang H, Shi Q, Nan W, Wang Y, Wang S, Yang F, Li GGinkgolide B and bilobalide promote the growth and increase β -catenin expression in hair follicle dermal papilla cells of American minks. *Biofactors* 45(6):950-958. 2019 Nov
 41. Kuang M, Li L, Li C, Wang G Protective effects of UFL1 against endoplasmic reticulum stress-induced autophagy in bovine mammary epithelial cells. *CELL STRESS CHAPERON* 24(6):1115-1125. 2019 Nov
 42. Hou L, Dong J, Zhu S, Yuan F, Wei L, Wang J, Quan R, Chu J, Wang D, Jiang H, Xi Y, Li Z, Song H, Guo Y, Lv M, Liu J Seneca valley virus activates autophagy through the PERK and ATF6 UPR pathways. *Virology* 537:254-263. 2019 Nov
 43. Deng S, Yang C, Nie K, Fan S, Zhu M, Zhu J, Chen Y, Yuan J, Zhang J, Xu H, Tian S, Chen J, Zhao M Host cell protein PSMB10 interacts with viral NS3 protein and inhibits the growth of classical swine fever virus. *Virology* 537:74-83. 2019 Nov
 44. Ding W, Wu D, Ji F, Zhang H Inhibition of long non-coding RNA-AWPPH decreases osteosarcoma cell proliferation, migration and invasion. *Oncol Lett* 18(5):5055-5062. 2019 Nov
 45. Li S, Wang Y, Zhao C, Zhang M, Wang W, Yu X, Huang J, Wang Z, Zhu B, Yin C, Cai H Akt inhibitor deguelin aggravates inflammation and fibrosis in myocarditis. *Iran J Basic Med Sci* 22(11):1275-1282. 2019 Nov
 46. Lin X, Ma Y, Qian T, Yao J, Mi Y, Zhang C Basic fibroblast growth factor promotes prehierarchical follicle growth and yolk deposition in the chicken. *Theriogenology* 139:90-97. 2019 Nov
 47. Wang Y, Zhu L, Tang X, Xu H, Bao Y α B crystalline upregulates the expression of matrix metalloproteinases in trabecular meshwork cells through TLR1/2. *INT J CLIN EXP PATHO* 12(11):4214-4221. eCollection 2019. 2019 Nov 1
 48. Zhou X, Wang W, Wang C, Zheng C, Xu X, Ni X, Hu S, Cai B, Sun L, Shi K, Chen B, Zhou M, Chen G DPP4 Inhibitor Attenuates Severe Acute Pancreatitis-Associated Intestinal Inflammation via Nrf2 Signaling. *Oxid Med Cell Longev* 2019:6181754. 2019 Nov 15
 49. Du L, Wang J, Chen Y, Li X, Wang L, Li Y, Jin X, Gu X, Hao M, Zhu X, Yin X, Lu Q. Novel biphenyl diester derivative AB-38b inhibits NLRP3 inflammasome through Nrf2 activation in diabetic nephropathy. *Cell Biol Toxicol* 2019 Nov 25
 50. Li X, Ma R, Li Q, Li S, Zhang H, Xie J, Bai J, Idris A, Feng R Transmembrane Protein 39A Promotes the Replication of Encephalomyocarditis Virus via Autophagy Pathway. *Front Microbiol* 10:2680. 2019 Nov 29
 51. Ye W, Zheng C, Yu D, Zhang F, Pan R, Ni X, Shi Z, Zhang Z, Xiang Y, Sun H, Shi K, Chen B, Zhang Q, Zhou M Lipoxin A4 Ameliorates Acute Pancreatitis-Associated Acute Lung Injury through the Antioxidative and Anti-Inflammatory Effects of the Nrf2 Pathway. *Oxid Med Cell Longev*

2019:2197017. 2019 Nov 6

52. Li Y, Yu Q, Li R, Luo J, Yuan D, Song J, Sun Y, Long T, Yang Z SPOP Regulates The Biological Mechanism Of Ovarian Cancer Cells Through The Hh Signaling Pathway. *ONCOTARGETS THER* 12:9239-9248. 2019 Nov 6
53. Han YY, Chen ZH, Shang YJ, Yan WW, Wu BY, Li CH Cordycepin improves behavioral-LTP and dendritic structure in hippocampal CA1 area of rats. *J Neurochem* 151(1):79-90. 2019 Oct
54. Ren L, Qi K, Zhang L, Bai Z, Ren C, Xu X, Zhang Z, Li X Glutathione Might Attenuate Cadmium-Induced Liver Oxidative Stress and Hepatic Stellate Cell Activation. *Biol Trace Elem Res* 191(2):443-452. 2019 Oct
55. Du B, Sun T, Li X, Diao Y, Li Y Effect of IDH3a on glucose uptake in lung adenocarcinoma: A pilot study based on [18 F]FDG. *CANCER MED-US* 8(11):5341-5351. 2019 Sep
56. Qian Y, Wang Z, Zhou S, Zhao W, Yin C, Cao J, Wang Z, Li Y MKP1 in the Medial Prefrontal Cortex Modulates Chronic Neuropathic Pain via Regulation of p38 and JNK1/2. *Int J Neurosci* 2019 Sep 13:1-12
57. Xu Y, Chen K, Cai Y, Cheng C, Zhang Z, Xu G Overexpression of Rad51 predicts poor prognosis and silencing of Rad51 increases chemo-sensitivity to doxorubicin in neuroblastoma. *Am J Transl Res* 11(9):5788-5799. eCollection 2019. 2019 Sep 15
58. Dou X, Gao N, Lan J, Han J, Yang Y, Shan A TLR2/EGFR Are Two Sensors for pBD3 and pEP2C Induction by Sodium Butyrate Independent of HDAC Inhibition. *J AGR FOOD CHEM* 68(2):512-522. 2020 Jan 15
59. Liu C, Wang J, Zhao L, He H, Zhao P, Peng Z, Liu F, Chen J, Wu W, Wang G, Dong F Knockdown of Thymidine Kinase 1 Suppresses Cell Proliferation, Invasion, Migration, and Epithelial-Mesenchymal Transition in Thyroid Carcinoma Cells. *Front Oncol* 9:1475. 2020 Jan 29
60. Fan S, Wu K, Luo C, Li X, Zhao M, Song D, Ma S, Zhu E, Chen Y, Ding H, Yi L, Li J, Zhao M, Chen J Dual NDP52 Function in Persistent CSFV Infection. *Front Microbiol* 10:2962. 2020 Jan 8
61. Li Z, Jiang T, Lu Q, Xu K, He J, Xie L, Chen Z, Zheng Z, Ye L, Xu K, Zhang H, Hu A Berberine attenuated the cytotoxicity induced by t-BHP via inhibiting oxidative stress and mitochondria dysfunction in PC-12 cells. *Cell Mol Neurobiol* 40(4):587-602. 2020 May
62. Feixiang Bao, Lingyan Zhou, Rui Zhou, Qiaoying Huang, Junguo Chen, Sheng Zeng, Yi Wu, Liang Yang, Shufang Qian, Mengfei Wang, Xueying He, Shan Liang, Juntao Qi, Ge Xiang, Qi Long, Jingyi Guo, Zhongfu Ying, Yanshuang Zhou, Qiuge Zhao, Jiwei Zhang, Di Zhang, Wei Sun, Mi Gao, Hao Wu, Yifan Zhao, Jinfu Nie, Min Li, Quan Chen, Jiekai Chen, Xiao Zhang, Guangjin Pan, Hong Zhang, Mingtao Li, Mei Tian, Xingguo Liu Mitolysosome exocytosis, a mitophagy-independent mitochondrial quality control in flunarizine-induced parkinsonism-like symptoms *Sci Adv* doi: 10.1126/sciadv.abk2376. 2022 Apr 15;8(15):eabk2376.
63. Mengci Li, Shouli Wang, Yitao Li, Mingliang Zhao, Junliang Kuang, Dandan Liang, Jieyi Wang, Meilin Wei, Cynthia Rajani, Xinran Ma, Yajun Tang, Zhenxing Ren, Tianlu Chen, Aihua Zhao, Cheng Hu, Chengxing Shen, Weiping Jia, Ping Liu, Xiaojiao Zheng, Wei Jia Gut microbiota-bile acid crosstalk contributes to the rebound weight gain after calorie restriction in mice *Nat Commun* doi: 10.1038/s41467-022-29589-7. 2022 Apr 19;13(1):2060.
64. Fu-Hui Xiao, Qin Yu, Zhi-Li Deng, Ke Yang, Yunshuang Ye, Ming-Xia Ge, Dongjing Yan, Hao-Tian Wang, Xiao-Qiong Chen, Li-Qin Yang, Bin-Yu Yang, Rong Lin, Wen Zhang, Xing-Li Yang, Lei Dong, Yonghan He, Jumin Zhou, Wang-Wei Cai, Ji Li, Qing-Peng Kong ETS1 acts as a regulator of human healthy aging via decreasing ribosomal activity *Sci Adv* doi: 10.1126/sciadv.abf2017. 2022 Apr 29;8(17):eabf2017.
65. Wei Li, Qi Long, Hao Wu, Yanshuang Zhou, Lifan Duan, Hao Yuan, Yingzhe Ding, Yile Huang, Yi Wu, Jinyu Huang, Delong Liu, Baodan Chen, Jian Zhang, Juntao Qi, Shiwei Du, Linpeng Li, Yang Liu, Zifeng Ruan, Zihuang Liu, Zichao Liu, Yifan Zhao, Jianghuan Lu, Junwei Wang, Wai-Yee Chan, Xingguo Liu Nuclear localization of mitochondrial TCA cycle enzymes modulates pluripotency via histone acetylation *Nat Commun* doi: 10.1038/s41467-022-35199-0. 2022 Dec 2;13(1):7414.
66. Jiao Wu, Zhuan Feng, Liang Chen, Yong Li, Huijie Bian, Jiejie Geng, Zhao-Hui Zheng, Xianghui Fu, Zhuo Pei, Yifei Qin, Liu Yang, Yilin Zhao, Ke Wang, Ru Chen, Qian He, Gang Nan, Xuejun Jiang, Zhi-Nan Chen, Ping Zhu TNF antagonist sensitizes synovial fibroblasts to ferroptotic cell death in collagen-induced arthritis mouse models *Nat Commun* doi: 10.1038/s41467-021-27948-4. 2022 Feb 3;13(1):676.
67. Xiaoqie Ma, Jie Cao, Ziyu Zhou, Yunkun Lu, Qin Li, Yan Jin, Guo Chen, Weiyun Wang, Wenyan Ge, Xi Chen, Zhensheng Hu, Xiao Shu, Qian Deng, Jiaqi Pu, Chengzhen Liang, Junfen Fu, Jianzhao Liu, Saiyong Zhu N6-methyladenosine modification-mediated mRNA metabolism is essential for human pancreatic lineage specification and islet organogenesis *Nat Commun* doi: 10.1038/s41467-022-31698-2. 2022 Jul 18;13(1):4148.
68. Xiaoxue Lu, Qiaolin Xu, Yanan Tong, Zhujun Zhang, Guodong Dun, Yuyang Feng, Jie Tang, Dan Han, Yilan Mao, Ling Deng, Xiaoyi He, Qian Li, Yang Xiang, FengChao Wang, Dongzhu Zeng, Bin Tang, Xuhu Mao Long non-coding RNA EVADR induced by Fusobacterium nucleatum infection promotes colorectal cancer metastasis *Cell Rep* doi: 10.1016/j.celrep.2022.111127. 2022 Jul 19;40(3):111127.
69. Liang Yong, Yafen Yu, Bao Li, Huiyao Ge, Qi Zhen, Yiwen Mao, Yanxia Yu, Lu Cao, Ruixue Zhang, Zhuo Li, Yirui Wang, Wencheng Fan, Chang Zhang, Daiyu Wang, Sihan Luo, Yuanming Bai, Shirui Chen, Weiwei Chen, Miao Liu, Jijia Shen, Liangdan Sun Calcium/calmodulin-dependent protein kinase IV promotes imiquimod-induced psoriatic inflammation via macrophages and keratinocytes in mice *Nat Commun* doi: 10.1038/s41467-022-31935-8. 2022 Jul 22;13(1):4255.
70. Ye Qi, Li Ding, Siwen Zhang, Shengze Yao, Jennie Ong, Yi Li, Hong Wu, Peng Du A plant immune protein enables broad antitumor response by rescuing microRNA deficiency *Cell* doi: 10.1016/j.cell.2022.04.030. 2022 May 26;185(11):1888-1904.e24.
71. Jia Xiong, Jia He, Jun Zhu, Jiongli Pan, Weijie Liao, Hongying Ye, Haofei Wang, Yinjing Song, Yue Du, Bijun Cui, Maoguang Xue, Wanling Zheng, Xiangxing Kong, Kai Jiang, Kefeng Ding, Lihua Lai, Qingqing Wang Lactylation-driven METTL3-mediated RNA m6A modification promotes immunosuppression of tumor-infiltrating myeloid cells *Mol Cell* doi: 10.1016/j.molcel.2022.02.033. 2022 May 5;82(9):1660-1677.e10.
72. Yingchun Wang, Yuzhen Wang, Lu Ding, Xiaolei Ren, Bo Wang, Liyuan Wang, Songbo Zhao, Xuetian Yue, Zhubanchang Wu, Chunyang Li, Xiaohong Liang, Chunhong Ma, Lifen Gao Tim-4 reprograms cholesterol metabolism to suppress antiviral innate immunity by disturbing the Insig1-SCAP interaction in macrophages *Cell Rep* doi: 10.1016/j.celrep.2022.111738. 2022 Nov 29;41(9):111738.
73. Feng S, Cong S, Zhang X, Bao X, Wang W, Li H, Wang Z, Wang G, Xu J, Du B, Qu D, Xiong W, Yin M, Ren X, Wang F, He J, Zhang B. MicroRNA-192 targeting retinoblastoma 1 inhibits cell proliferation and induces cell apoptosis in lung cancer cells. *Nucleic Acids Res* 2011 Aug;39(15):6669-78.
74. Xu Y, Dong S, Zhou Q, Mo X, Song L, Hou T, Wu J, Li S, Li Y, Li P, Gan Y, Xu J. The effect of mechanical stimulation on the maturation of TDSCs-poly(L-lactide-co-e-caprolactone)/collagen scaffold constructs for tendon tissue engineering. *Biomaterials* 2014 Mar;35(9):2760-72.
75. Yu X, Tang J, Wang Q, Ye W, Tao K, Duan S, Lu C, Yang X, Dong S, Zheng X, Wang Y. The RxLR effector Avh241 from Phytophthora sojae requires plasma membrane localization to induce plant cell death. *New Phytol* 2012 Oct;196(1):247-60.
76. Yang L, Ping YF, Yu X, Qian F, Guo ZJ, Qian C, Cui YH, Bian XW. Gastric cancer stem-like cells possess higher capability of invasion and metastasis in association with a mesenchymal transition phenotype. *Cancer Lett* 2011 Nov 1;310(1):46-52.
77. Jiao J, Hong S, Zhang J, Ma L, Sun Y, Zhang D, Shen B, Zhu C. Opsin3

- sensitizes hepatocellular carcinoma cells to 5-fluorouracil treatment by regulating the apoptotic pathway. *Cancer Lett* 2012 Jul 1;320(1):96-103.
78. Wang J, Liu X, Hong Y, Wang S, Chen P, Gu A, Guo X, Zhao P. Ibrutinib, a Bruton's tyrosine kinase inhibitor, exhibits antitumoral activity and induces autophagy in glioblastoma. *J EXP CLIN CANC RES* 2017 Jul 17;36(1):96.
79. Sui X, Zhang C, Zhou J, Cao S, Xu C, Tang F, Zhi X, Chen B, Wang S, Yin L. Resveratrol inhibits Extranodal NK/T cell lymphoma through activation of DNA damage response pathway. *J EXP CLIN CANC RES* 2017 Sep 26;36(1):133.
80. Chen DG, Zhu B, Lv SQ, Zhu H, Tang J, Huang C, Li Q, Zhou P, Wang DL, Li GH. Inhibition of EGR1 inhibits glioma proliferation by targeting CCND1 promoter. *J EXP CLIN CANC RES* 2017 Dec 15;36(1):186.
81. Zhang P, Lai ZL, Chen HF, Zhang M, Wang A, Jia T, Sun WQ, Zhu XM, Chen XF, Zhao Z, Zhang J. Curcumin synergizes with 5-fluorouracil by impairing AMPK/ULK1-dependent autophagy, AKTactivity and enhancing apoptosis in colon cancer cells with tumor growth inhibition in xenograft mice. *J EXP CLIN CANC RES* 2017 Dec 22;36(1):190.
82. Liu M, Zhou G, Song W, Li P, Liu H, Niu X, Fan Y. Effect of nano-hydroxyapatite on the axonal guidance growth of rat cortical neurons. *Nanoscale* 2012 May 21;4(10):3201-7.
83. Yang T, Cheng J, Yang Y, Qi W, Zhao Y, Long H, Xie R, Zhu B. S100B Mediates Stemness of Ovarian Cancer Stem-Like Cells Through Inhibiting p53. *Stem Cells* 2017 Feb;35(2):325-336.
84. Jin F, Wang Y, Wang X, Wu Y, Wang X, Liu Q, Zhu Y, Liu E, Fan J, Wang Y. Bre Enhances Osteoblastic Differentiation by Promoting the Mdm2-Mediated Degradation of p53. *Stem Cells* 2017 Jul;35(7):1760-1772.
85. Liu M, Yin K, Guo X, Feng H, Yuan M, Liu Y, Zhang J, Guo B, Wang C, Zhou G, Zhou Z, Zhang CY, Chen X. Diphthamide Biosynthesis 1 is a Novel Oncogene in Colorectal Cancer Cells and is Regulated by MiR-218-5p. *CELL PHYSIOL BIOCHEM* 2017;44(2):505-514.
86. Pan C, Yao G, Liu B, Ma T, Xia Y, Wei K, Wang J, Xu J, Chen L, Chen Y. Long Noncoding RNA FAL1 Promotes Cell Proliferation, Invasion and Epithelial-Mesenchymal Transition Through the PTEN/AKT Signaling Axis in Non-Small Cell Lung Cancer. *CELL PHYSIOL BIOCHEM* 2017;43(1):339-352.
87. Yang N, Fu Y, Zhang H, Sima H, Zhu N, Yang G. LincRNA-p21 activates endoplasmic reticulum stress and inhibits hepatocellular carcinoma. *ONCOTARGET* 2015 Sep 29;6(29):28151-63.
88. Huang C, Xiang Y, Chen S, Yu H, Wen Z, Ye T, Sun H, Kong H, Li D, Yu D, Chen B, Zhou M. Dermokine contributes to epithelial-mesenchymal transition through increased activation of signal transducer and activator of transcription 3 in pancreatic cancer. *Cancer Sci* 2017 Nov;108(11):2130-2141.
89. Wang J, Pang W, Zuo Z, Zhang W, He W. MicroRNA-520b Suppresses Proliferation, Migration, and Invasion of Spinal Osteosarcoma Cells via Downregulation of Frizzled-8. *Oncol Res* 2017 Sep 21;25(8):1297-1304.
90. Ye XZ, Xu SL, Xin YH, Yu SC, Ping YF, Chen L, Xiao HL, Wang B, Yi L, Wang QL, Jiang XF, Yang L, Zhang P, Qian C, Cui YH, Zhang X, Bian XW. Tumor-associated microglia/macrophages enhance the invasion of glioma stem-like cells via TGF- β 1 signaling pathway. *J Immunol* 2012 Jul 1;189(1):444-53.
91. Li FF, Shen J, Shen HJ, Zhang X, Cao R, Zhang Y, Qui Q, Lin XX, Xie YC, Zhang LH, Jia YL, Dong XW, Jiang JX, Bao MJ, Zhang S, Ma WJ, Wu XM, Shen H, Xie QM, Ke Y. Shp2 Plays an Important Role in Acute Cigarette Smoke-Mediated Lung Inflammation. *J Immunol* 2012 Sep 15;189(6):3159-67.
92. Zhu Y, Zhang L, Zha H, Yang F, Hu C, Chen L, Guo B, Zhu B. Stroma-derived Fibrinogen-like Protein 2 Activates Cancer-associated Fibroblasts to Promote Tumor Growth in Lung Cancer. *Int J Biol Sci* 2017 Jun 1;13(6):804-814.
93. Chen Y, Wang Z, Xie Y, Guo X, Tang X, Wang S, Yang S, Chen K, Niu Y, Ji W. Folic acid deficiency inhibits neural rosette formation and neuronal differentiation from rhesusmonkey embryonic stem cells. *J Neurosci Res* 2012 Jul;90(7):1382-91.
94. Chen HY, Wang JM, Wang HY, Zhang YX, Liu W, Pan L, Wang WH, Chen SF, Jin WG, Wang L. Effect of short hairpin RNA-induced CXCR4 silence on ovarian cancer cell. *Biomed Pharmacother* "2012 Oct;66(7):549-53."
95. Gao K, Ji Z, She K, Yang Q, Shao L. Long non-coding RNA ZFAS1 is an unfavourable prognostic factor and promotes glioma cellprogression by activation of the Notch signaling pathway. *Biomed Pharmacother* 2017 Mar;87:555-560.
96. He Z, Xu H, Meng Y, Kuang Y. miR-944 acts as a prognostic marker and promotes the tumor progression in endometrial cancer. *Biomed Pharmacother* 2017 Apr;88:902-910.
97. Xu Y, Wang Z, Jiang X, Cui Y. Overexpression of long noncoding RNA H19 indicates a poor prognosis for cholangiocarcinoma and promotes cell migration and invasion by affecting epithelial-mesenchymal transition. *Biomed Pharmacother* 2017 Aug;92:17-23.
98. Li R, Zhang Z, Wang J, Huang Y, Sun W, Xie R, Hu F, Lei T. Triptolide suppresses growth and hormone secretion in murine pituitary corticotroph tumor cellsvia NF-kappaB signaling pathway. *Biomed Pharmacother* 2017 Nov;95:771-779.
99. Huang W, Cheng P, Yu K, Han Y, Song M, Li Y. Hyperforin attenuates aluminum-induced A β production and Tau phosphorylation via regulatingAkt/GSK-3 β signaling pathway in PC12 cells. *Biomed Pharmacother* 2017 Dec;96:1-6.
100. Yao Y, Xu Y, Wang W, Zhang J, Li Q. Glucagon-like peptide-1 improves β -cell dysfunction by suppressing the miR-27a-induceddownregulation of ATP-binding cassette transporter A1. *Biomed Pharmacother* 2017 Dec;96:497-502.
101. Chen S, Lv X, Hu B, Shao Z, Wang B, Ma K, Lin H, Cui M. RIPK1/RIPK3/MLKL-mediated necroptosis contributes to compression-induced rat nucleuspulposus cells death. *Apoptosis* 2017 May;22(5):626-638.
102. Cao J, Lin C, Wang H, Wang L, Zhou N, Jin Y, Liao M, Zhou J. Circovirus transport proceeds via direct interaction of the cytoplasmic dynein IC1 subunit with the viralcapsid protein. *J Virol* 2015 Mar;89(5):2777-91.
103. Wang C, Xie H, Liu X, Qin Q, Wu X, Liu H, Liu C. Role of nuclear factor- κ B in volatile anaesthetic preconditioning with sevoflurane during myocardial ischaemia/reperfusion. *EUR J ANAESTH* 2010 Aug;27(8):747-56.
104. Deng J, Chen S, Wang F, Zhao H, Xie Z, Xu Z, Zhang Q, Liang P, Zhai X, Cheng Y. Effects of hnRNP A2/B1 Knockdown on Inhibition of Glioblastoma Cell Invasion, Growth and Survival. *Mol Neurobiol* 2016 Mar;53(2):1132-44.
105. Feng DD, Zhang H, Zhang P, Zheng YS, Zhang XJ, Han BW, Luo XQ, Xu L, Zhou H, Qu LH, Chen YQ. Down-regulated miR-331-5p and miR-27a are associated with chemotherapy resistance and relapse in leukaemia. *J Cell Mol Med* 2011 Oct;15(10):2164-75.
106. Lin J, Wang C, Zhang L, Wang T, Zhang J, Liang W, Li C, Qian G, Ouyang Y, Guo K, Zhang Y. Rab5 Enhances Classical Swine Fever Virus Proliferation and Interacts with Viral NS4B Protein to Facilitate Formation of NS4B Related Complex. *Front Microbiol* 2017 Aug 8;8:1468.
107. Sun L, Yuan Q, Xu T, Yao L, Feng J, Ma J, Wang L, Lu C, Wang D. Pioglitazone Improves Mitochondrial Function in the Remnant Kidney and Protects against RenalFibrosis in 5/6 Nephrectomized Rats. *Front Pharmacol* 2017 Aug 15;8:545.
108. Chen JH, Zhou LY, Xu S, Zheng YL, Wan YF, Hu CP. Overexpression of lncRNA HOXA11-AS promotes cell epithelial-mesenchymal transition by repressing miR-200b in non-small cell lung cancer. *Cancer Cell Int* 2017 Jun 12;17:64.
109. Wang K, Chen D, Qian Z, Cui D, Gao L, Lou M. Hedgehog/Gli1 signaling pathway regulates MGMT expression and chemoresistance to temozolomide in human glioblastoma. *Cancer Cell Int* 2017 Dec 4;17:117.

110. Zhou YZ, Li X, Gong WX, Tian JS, Gao XX, Gao L, Zhang X, Du GH, Qin XM. Protective effect of isoliquiritin against corticosterone-induced neurotoxicity in PC12 cells. *Food Funct* 2017 Mar;22(3):1235-1244.
111. Ding N, Zhao K, Lan Y, Li Z, Lv X, Su J, Lu H, Gao F, He W. Induction of Atypical Autophagy by Porcine Hemagglutinating Encephalomyelitis VirusContributes to Viral Replication. *FRONT CELL INFECT MI* 2017 Feb 28;7:56.
112. Yin H, Zhao L, Li S, Xu L, Wang Y, Chen H. Impaired Cellular Energy Metabolism Contributes to Duck-Enteritis-Virus-Induced Autophagy via the AMPK-TSC2-MTOR Signaling Pathway. *FRONT CELL INFECT MI* 2017 Sep 26;7:423.
113. Wang L, Qin Y, Tong L, Wu S, Wang Q, Jiao Q, Guo Z, Lin L, Wang R, Zhao W, Zhong Z. MiR-342-5p suppresses coxsackievirus B3 biosynthesis by targeting the 2C-coding region. *ANTIVIR RES* 2012 Feb;93(2):270-9.
114. Ye Q, Chen C, Si E, Cai Y, Wang J, Huang W, Li D, Wang Y, Chen X. Mitochondrial Effects of PGC-1alpha Silencing in MPP+ Treated Human SH-SY5Y NeuroblastomaCells. *Front Mol Neurosci* 2017 May 29;10:164.
115. Cai J, Yu C, Liu Y, Chen S, Guo Y, Yong J, Lu W, Ding M, Deng H. Generation of homogeneous PDX1(+) pancreatic progenitors from human ES cell-derived endoderm cells. *J Mol Cell Biol* 2010;2(1):50-60.
116. Song X, Xie L, Wang X, Zeng Q, Chen TC, Wang W, Song X. Temozolomide-perillyl alcohol conjugate induced reactive oxygen species accumulation contributes to its cytotoxicity against non-small cell lung cancer. *SCI REP-UK* 2016 Mar 7;6:22762.
117. Zhou D, Pan Q, Shen F, Cao HX, Ding WJ, Chen YW, Fan JG. Total fecal microbiota transplantation alleviates high-fat diet-induced steatohepatitis in mice viabeneficial regulation of gut microbiota. *SCI REP-UK* 2017 May 8;7(1):1529.
118. Chen X, Zhao X, Lan F, Zhou T, Cai H, Sun H, Kong W, Kong W. Hydrogen Sulphide Treatment Increases Insulin Sensitivity and Improves Oxidant Metabolism through the CaMKKbeta-AMPK Pathway in PA-Induced IR C2C12 Cells. *SCI REP-UK* 2017 Oct 16;7(1):13248.
119. Wang J, Li J, Huang Y, Song X, Niu Z, Gao Z, Wang H. Bcl-3 suppresses Tax-induced NF- κ B activation through p65 nuclear translocation blockage in HTLV-1-infectedcells. *Int J Oncol* 2013 Jan;42(1):269-76.
120. Yang X, Zang W, Xuan X, Wang Z, Liu Z, Wang J, Cui J, Zhao G. miRNA-1207-5p is associated with cancer progression by targeting stomatin-like protein 2 in esophagealcarcinoma. *Int J Oncol* 2015 May;46(5):2163-71.
121. Li P, Huang JJ, Ni JJ, Sun FY. VEGF evokes reactive astroglia to convert into neuronal cells by affecting the biological functionof MeCP2 in adult rat brain after cerebral ischemia. *Neurochem Int* 2012 Jul
122. Xu X, Mao W, Chai Y, Dai J, Chen Q, Wang L, Zhuang Q, Pan Y, Chen M, Ni G, Huang Z. Angiogenesis Inhibitor, Endostar, Prevents Vasa Vasorum Neovascularization in a Swine AtherosclerosisModel. *J Atheroscler Thromb* 2015;22(10):1100-12.
123. Fang Z, Zhu Q, Gu T, Shen X, Yang Y, Liang Y, Zhang Z, Xu X. Anti-androgenic effects of bisphenol-A on spatial memory and synaptic plasticity of the hippocampus in mice. *Horm Behav* 2017 Jul;93:151-158.
124. Lv XH, Chen JW, Zhao G, Feng ZZ, Yang DH, Sun WW, Fan JS, Zhu GH. N-myc downstream-regulated gene 1/Cap43 may function as tumor suppressor in endometrialcancer. *J CANCER RES CLIN* 2012 Oct;138(10):1703-15.
125. Li TT, Zhu D, Mou T, Guo Z, Pu JL, Chen QS, Wei XF, Wu ZJ. IL-37 induces autophagy in hepatocellular carcinoma cells by inhibiting the PI3K/AKT/mTORpathway. *Mol Immunol* 2017 Jul;87:132-140.
126. Wang P, Lin C, Wu S, Huang K, Wang Y, Bao X, Zhang F, Huang Z, Teng H. Inhibition of Autophagy is Involved in the Protective Effects of Ginsenoside Rb1 on Spinal CordInjury. *Cell Mol Neurobiol* 2018 Apr;38(3):679-690.
127. Guo L, Zhang J, Yan Q, Yin M. Establishment and characterization of RNA-edited serotonin 2C receptor isoform cell models andalteration of amyloid precursor protein ectodomain secretion in HEK293 APPSwe cells. *Hum Cell* 2011 Jun;24(2):104-11.
128. Yu Y, Mu J, Fan Z, Lei G, Yan M, Wang S, Tang C, Wang Z, Yu J, Zhang G. Insulin-like growth factor 1 enhances the proliferation and osteogenic differentiation of humanperiodontal ligament stem cells via ERK and JNK MAPK pathways. *Histochem Cell Biol* 2012 Apr;137(4):513-25.
129. Lu X, Chen Y, Zeng T, Chen L, Shao Q, Qin W. Knockout of the HCC suppressor gene Lass2 downregulates the expression level of miR-694. *Oncol Rep* 2014 Dec;32(6):2696-702.
130. Qin Q, Wei F, Zhang J, Li B. miR-134 suppresses the migration and invasion of non small cell lung cancer by targetingITGB1. *Oncol Rep* 2017 Feb;37(2):823-830.
131. Zhang H, Chen X, Li D, Cui I, Li X, Ye X, Wan X. DcR3 promotes hepatoma cell migration by downregulating E-cadherin expression. *Oncol Rep* 2017 Jul;38(1):377-383.
132. Chen LD, Liu ZH, Zhang LF, Yao JN, Wang CF. Sanggenon C induces apoptosis of colon cancer cells via inhibition of NO production, iNOSExpression and ROS activation of the mitochondrial pathway. *Oncol Rep* 2017 Oct;38(4):2123-2131.
133. Ma P, Sun CQ, Wang YF, Pan YT, Chen QN, Liu WT, Liu J, Zhao CH, Shu YQ, Li W. KLF16 promotes proliferation in gastric cancer cells via regulating p21 and CDK4. *Am J Transl Res* 2017 Jun 15;9(6):3027-3036.
134. Gu CJ, Cheng J, Zhang B, Yang SL, Xie F, Sun JS, Huang LQ, Yu JJ, Li MQ. Protopanaxadiol and metformin synergistically inhibit estrogen-mediated proliferation and anti-autophagy effects in endometrial cancer cells. *Am J Transl Res* 2017 Sep 15;9(9):4071-4082.
135. Cao C, Wang W, Lu L, Wang L, Chen X, Guo R, Li S, Jiang J. Inactivation of Beclin-1-dependent autophagy promotes ursolic acid-induced apoptosis in hypertrophic scar fibroblasts. *Exp Dermatol* 2018 Jan;27(1):58-63.
136. Li C, Fu X, Lin Q, Liu L, Liang H, Huang Z, Li N. Autophagy promoted infectious kidney and spleen necrosis virus replication and decreasedinfectious virus yields in CPB cell line. *FISH SHELLFISH IMMUN* 2017 Jan;60:25-32.
137. Wu JL, Zou JY, Hu ED, Chen DZ, Chen L, Lu FB, Xu LM, Zheng MH, Li H, Huang Y, Jin XY, Gong YW, Lin Z, Wang XD, Zhao MF, Chen YP. Sodium butyrate ameliorates S100/FCA-induced autoimmune hepatitis through regulation of intestinal tight junction and toll-like receptor 4 signaling pathway. *Immunol Lett* 2017 Oct;190:169-176.
138. Wei Y, Hong H, Zhang X, Lai W, Wang Y, Chu K, Brown J, Hong G, Chen L. Salidroside Inhibits Inflammation Through PI3K/Akt/HIF Signaling After Focal Cerebral Ischemia in Rats. *Inflammation* 2017 Aug;40(4):1297-1309.
139. Liu ML, Wen JJ, Xu XF, Zhao DM. Neurotoxic effect of the complex of the ovine prion protein (OvPrP(C)) and RNA on the cultured ratcortical neurons. *Neurochem Res* 2011 Oct;36(10):1863-9.
140. Pan JX. LncRNA H19 promotes atherosclerosis by regulating MAPK and NF- κ B signaling pathway. *EUR REV MED PHARMACO* 2017 Jan;21(2):322-328.
141. Wang J, Zhao C, Li J, Feng Y, Gong Y. Transcriptome analysis of the potential roles of FOXL2 in chicken pre-hierarchical and pre-ovulatory granulosa cells. *COMP BIOCHEM PHYS D* 2017 Mar;21:56-66.
142. Liu JH, Xu TT, Liu YJ, Zhu WY, Mao SY. A high-grain diet causes massive disruption of ruminal epithelial tight junctions in goats. *AM J PHYSIOL-REG I* "2013 Aug 1;305(3):R232-41."
143. Hua W, Jiang J, Rong X, Wu R, Qiu H, Zhang Y, Chen Q. The dual role of the cystathione gamma-lyase/hydrogen sulfide pathway in CVB3-induced myocarditis in mice. *BIOCHEM BIOPH RES CO* 2009 Oct 23;388(3):595-600.
144. He Y, Zhang H, Teng J, Huang L, Li Y, Sun C. Involvement of calcium-sensing receptor in inhibition of lipolysis through intracellular cAMP andcalcium

- pathways in human adipocytes. *BIOCHEM BIOPH RES CO* 2011 Jan;7:404(1):393-9.
145. Chen X, Wu X, Zhao Y, Wang G, Feng J, Li Q, Qian G. A novel binding protein of single immunoglobulin IL-1 receptor-related molecule:Paralemmin-3. *BIOCHEM BIOPH RES CO* 2011 Jan 28;404(4):1029-33.
146. Zhuo C, Ji Y, Chen Z, Kitazato K, Xiang Y, Zhong M, Wang Q, Pei Y, Ju H, Wang Y. Proteomics analysis of autophagy-deficient Atg7^{-/-} MEFs reveals a close relationship between F-Actin and autophagy. *BIOCHEM BIOPH RES CO* 2013 Aug 2;437(3):482-8.
147. Shan LN, Chai WS, Lu SJ, Song YG, Su D, Yang S, Shi XB, Wang W. The significant effect of chronic intermittent hypoxia on prostaglandin D2 biosynthesis in ratbrain. *BIOCHEM BIOPH RES CO* 2017 Jan 29;483(1):283-287.
148. Lin H, Zhao L, Ma X, Wang BC, Deng XY, Cui M, Chen SF, Shao ZW. Drp1 mediates compression-induced programmed necrosis of rat nucleus pulposus cells by promoting mitochondrial translocation of p53 and nuclear translocation of AIF. *BIOCHEM BIOPH RES CO* 2017 May 20;487(1):181-188.
149. Wang J, Feng Y, Wang Y, Xiang D, Zhang X, Yuan F. Autophagy regulates Endothelial-Mesenchymal transition by decreasing the phosphorylationlevel of Smad3. *BIOCHEM BIOPH RES CO* 2017 Jun 3;487(3):740-747.
150. Li J, Qian C, Zhou Q, Li J, Li K, Yi P. BEBT-908: A novel potent PI3K/HDAC inhibitor against diffuse large B-cell lymphoma. *BIOCHEM BIOPH RES CO* 2017 Sep 30;491(4):939-945.
151. Liu Y, Zhu H, Yan X, Gu H, Gu Z, Liu F. Endoplasmic reticulum stress participates in the progress of senescence and apoptosis of osteoarthritis chondrocytes. *BIOCHEM BIOPH RES CO* 2017 Sep 16;491(2):368-373.
152. Dong XL, Wu YF, Liu TH, Wang W, Pan CX, Adur M, Zhang MJ, Pan MH, Lu C. Bombyx mori protein BmREEPa and BmPtchd could form a complex with BmNPV envelope protein GP64. *BIOCHEM BIOPH RES CO* 2017 Sep 2;490(4):1254-1259.
153. Wang K, Li S, Worku T, Hao X, Yang L, Zhang S. Rab11a is required for porcine reproductive and respiratory syndrome virus induced autophagy to promote viral replication. *BIOCHEM BIOPH RES CO* 2017 Oct 14;492(2):236-242.
154. Wang Z, Dai Z, Pan Y, Wu S, Li Z, Zuo C. E3 ubiquitin ligase DTX4 is required for adipogenic differentiation in 3T3-L1 preadipocytes cellline. *BIOCHEM BIOPH RES CO* 2017 Oct 21;492(3):419-424.
155. Li H, Zhang L, Huang Q. Differential expression of mitogen-activated protein kinase signaling pathway in the hippocampus of rats exposed to chronic unpredictable stress. *Behav Brain Res* 2009 Dec 14;205(1):32-7.
156. Wang J, Sai K, Chen FR, Chen ZP. miR-181b modulates glioma cell sensitivity to temozolomide by targeting MEK1. *CANCER CHEMOTH PHARM* 2013 Jul;72(1):147-58.
157. Li Y, Shen L, Li C, Huang J, Zhao B, Sun Y, Li S, Luo Y, Qiu HJ. Visualization of the Npro protein in living cells using biarsenically labeling tetracysteine-tagged classicalswine fever virus. *Virus Res* 2014 Aug 30;189:67-74.
158. Liu WJ, Yang YT, Zhao MQ, Dong XY, Gou HC, Pei JJ, Chen JD. PKR activation enhances replication of classical swine fever virus in PK-15 cells. *Virus Res* 2015 Jun 2;204:47-57.
159. Zhang Z, Zhang S, Wang S. DNAzymes Dz13 target the c-jun possess antiviral activity against influenza A viruses. *MICROB PATHOGENESIS* 2017 Feb;103:155-161.
160. Bian J, Zhu S, Ma W, Li C, Ashraf MA. Analgesic effect and possible mechanism of SCH772984 intrathecal injection on rats with bone cancerpain. *Saudi Pharm J* 2016 May;24(3):354-62.
161. Peng W, Wang Z, Fan H. LncRNA NEAT1 Impacts Cell Proliferation and Apoptosis of Colorectal Cancer via Regulation of AktSignaling. *Pathol Oncol Res* 2016 Dec 24. doi: 10.1007/s12253-016-0172-4. [Epub ahead of print]
162. Zhang L, Jiang H, Gao X, Zou Y, Liu M, Liang Y, Yu Y, Zhu W, Chen H, Ge J. Heat shock transcription factor-1 inhibits H2O2-induced apoptosis via down-regulation of reactive oxygen species in cardiac myocytes. *Mol Cell Biochem* 2011 Jan;347(1-2):21-8.
163. Sun C, Ma P, Wang Y, Liu W, Chen Q, Pan Y, Zhao C, Qian Y, Liu J, Li W, Shu Y. KLF15 Inhibits Cell Proliferation in Gastric Cancer Cells via Up-Regulating CDKN1A/p21 and CDKN1C/p57 Expression. *DIGEST DIS SCI* 2017 Jun;62(6):1518-1526.
164. Wu J, Song R, Song W, Li Y, Zhang Q, Chen Y, Fu Y, Fang W, Wang J, Zhong Z, Ling H, Zhang L, Zhang F. Chlorpromazine protects against apoptosis induced by exogenous stimuli in the developing ratbrain. *PLoS One* 2011;6(7):e21966.
165. Li X, Wu L, Liu W, Jin Y, Chen Q, Wang L, Fan X, Li Z, Cheng Y. A network pharmacology study of Chinese medicine QiShenYiQi to reveal its underlying multi-compound, multi-target, multi-pathway mode of action. *PLoS One* 2014 May 9;9(5):e95004.
166. Liu Z, He K, Ma Q, Yu Q, Liu C, Ndege I, Wang X, Yu Z. Autophagy inhibitor facilitates gefitinib sensitivity in vitro and in vivo by activating mitochondrialapoptosis in triple negative breast cancer. *PLoS One* 2017 May 22;12(5):e0177694.
167. Wang Y, Jiang X, He J, Diraviyam T, Zhang X. Quantitative Investigation on Correlation Between IgG and FcRn During Gestation and Lactating Periodsin Rat. *Am J Reprod Immunol* 2016 Feb;75(2):81-5.
168. Yin ZH, Jiang XW, Shi WB, Gui QL, Yu DF. Expression and Clinical Significance of ILF2 in Gastric Cancer. *Dis Markers* 2017;2017:4387081.
169. Jia P, Xu YJ, Zhang ZL, Li K, Li B, Zhang W, Yang H. Ferric ion could facilitate osteoclast differentiation and bone resorption through the production ofreactive oxygen species. *J Orthop Res* 2012 Nov;30(11):1843-52.
170. Zhao L, Lin H, Chen S, Chen S, Cui M, Shi D, Wang B, Ma K, Shao Z. Hydrogen peroxide induces programmed necrosis in rat nucleus pulposus cells through the RIP1/RIP3-PARP-AIF pathway. *J Orthop Res* 2017 Sep 28.
171. Jiang S, Zu Y, Wang Z, Zhang Y, Fu Y. Involvement of mitochondrial permeability transition pore opening in 7-xylosyl-10-deacetylpaclitaxel-induced apoptosis. *Planta Med* 2011 Jul;77(10):1005-12.
172. Deng J, Huang Q, Wang F, Liu Y, Wang Z, Wang Z, Zhang Q, Lei B, Cheng Y. The role of caveolin-1 in blood-brain barrier disruption induced by focused ultrasound combinedwith microbubbles. *J Mol Neurosci* 2012 Mar;46(3):677-87.
173. Li WL, Chen ML, Liu SS, Li GL, Gu TY, Liang P, Qin YM, Zhan YH, Quan Y, Zhang GH. Sweet Preference Modified by Early Experience in Mice and the Related Molecular Modulations on the PeripheralPathway. *J Mol Neurosci* 2013 Nov;35(11):1799-806.
174. Wang X, Chen J, Wang H, Yu H, Wang C, You J, Wang P, Feng C, Xu G, Wu X, Zhao R, Zhang G. Memantine Can Reduce Ethanol-Induced Caspase-3 Activity and Apoptosis in H4 Cells by Decreasing Intracellular Calcium. *J Mol Neurosci* 2017 Aug;62(3-4):402-411.
175. Wang J, Xiao B, Han F, Shi Y. Metformin Alleviated the Neuronal Oxidative Stress in Hippocampus of Rats under SingleProlonged Stress. *J Mol Neurosci* 2017 Sep;63(1):28-35.
176. Wang C, Ma W, Su Y. NF-κB pathway contributes to cadmium-induced apoptosis of porcine granulosa cells. *Biol Trace Elel Res* 2013 Jun;153(1-3):403-10.
177. Sun YG, Wang XW, Yang SM, Zhou G, Wang WQ, Wang HB, Wang RQ, Fang DC. Inhibition of nucleostemin upregulates CDX2 expression in HT29 cells in response to bile acid exposure: implications in the pathogenesis of Barrett's esophagus. *J Gastrointest Surg* 2009 Aug;13(8):1430-9.
178. Wang P, Wang X, Yang X, Liu Z, Wu M, Li G. Budesonide suppresses pulmonary antibacterial host defense by down-regulating cathelicidin-related antimicrobial peptide in allergic inflammation mice and in lung epithelial cells. *BMC Immunol* 2013 Feb 6;14:7.
179. Liu J, Yu L, Chen C, Zhou J, Gong X, Li D, Hou D, Song Y, Shao C. The

- Expression of Dectin-1, Irak1 and Rip2 During the Host Response to Aspergillus fumigatus. *Mycopathologia* 2018 Apr;183(2):337-348.
180. Wang J, Gong Y. Transcription of CYP19A1 is directly regulated by SF-1 in the theca cells of ovary follicles in chicken. *GEN COMP ENDOCR* 2017 Jun 1;247:1-7.
181. Lu T, Luo Y, Sun H, Qin W, Li Y. Electroacupuncture improves behavioral recovery and increases SCF/c-kit expression in a ratmodel of focal cerebral ischemia/reperfusion. *Neurol Sci* 2013 Apr;34(4):487-95.
182. Chen Z, Yang Y, Yang X, Zhou C, Li F, Lei P, Zhong L, Jin X, Peng G. Immune effects of optimized DNA vaccine and protective effects in a MPTP model of Parkinson's disease. *Neurol Sci* 2013 Sep;34(9):1559-70.
183. Cai H, Yin D, Zhang L, Yang X, Xu X, Liu W, Zheng X, Zhang H, Wang J, Xu Y, Cheng D, Zheng M, Han Y, Wu M, Wang Y. Preparation and biological evaluation of 2-amino-6-[18F]fluoro-9-(4-hydroxy-3-hydroxy-methylbutyl) purine (6-[18F]FPCV) as a novel PET probe for imaging HSV1-tk reporter gene expression. *Nucl Med Biol* 2007 Aug;34(6):717-25.
184. Liang W, Zheng M, Bao C, Zhang Y. CSFV proliferation is associated with GBF1 and Rab2. *J BIOSCI BIOENG* 2017 Mar;42(1):43-56.
185. Li X, Dong X, Zheng S, Xiao J. Expression and localization of TASK-1, -2 and -3 channels in MG63 human osteoblast-like cells. *Oncol Lett* 2013 Mar;5(3):865-9.
186. Hu HJ, Lin XL, Liu MH, Fan XJ, Zou WW. Curcumin mediates reversion of HGF-induced epithelial-mesenchymal transition via inhibition of c-Metexpression in DU145 cells. *Oncol Lett* 2016 Feb;11(2):1499-1505.
187. Zhang D, Jin T, Xu YQ, Lu Y, Wu Q, Zhang YK, Liu J. Diurnal-and sex-related difference of metallothionein expression in mice. *J Circadian Rhythms* 2012 Jul 24;10(1):5.
188. Liu S, Gao S, Wang XY, Wang DB. Expression of miR-126 and Crk in endometriosis: miR-126 may affect the progression ofendometriosis by regulating Crk expression. *Arch Gynecol Obstet* 2012 Apr;285(4):1065-72.
189. Huang Y, Qin J, Sun D, Jiang H, Zheng L, He Y, Gui L, Qian B, Zhang C, Luo M. Inhibition of soluble epoxide hydrolase reduces portal pressure by protecting mesenteric arteriomyogenic responses in cirrhotic rats. *PROSTAG OTH LIPID M* 2017 Jul;131:17-24.
190. Gao Z, Chen X, Zhu K, Zeng P, Ding G. Dab1 Contributes to Angiotensin II-Induced Apoptosis via p38 Signaling Pathway in Podocytes. *Biomed Res Int* 2017;2017:2484303.
191. Ju L, Wu W, Yu M, Lou J, Wu H, Yin X, Jia Z, Xiao Y, Zhu L, Yang J. Different Cellular Response of Human Mesothelial Cell MeT-5A to Short-Term and Long-TermMultiwalled Carbon Nanotubes Exposure. *Biomed Res Int* 2017;2017:2747215.
192. Yin C, Zhou S, Jiang L, Sun X. Mechanical injured neurons stimulate astrocytes to express apolipoprotein E through ERKpathway. *Neurosci Lett* 2012 Apr 25;515(1):77-81.
193. Liu Y, Yu Y, Chu H, Bing D, Wang S, Zhou L, Chen J, Chen Q, Pan C, Sun Y, Cui Y. 17-DMAG induces Hsp70 and protects the auditory hair cells from kanamycin ototoxicity in vitro. *Neurosci Lett* 2015 Feb 19;588:72-7.
194. Han X, Tang S, Dong L, Song L, Dong Y, Wang Y, Du Y. Loss of nitrergic and cholinergic neurons in the enteric nervous system of APP/PS1 transgenicmouse model. *Neurosci Lett* 2017 Mar 6;642:59-65.
195. Tian Y, Hu Y, Wang Z, Chen K, Zhang L, Wang L, Ren M, Huang A, Tang H. Hepatitis B virus regulates Raf1 expression in HepG2.2.15 cells by enhancing its promoter activity. *Arch Virol* 2011 May;156(5):869-74.
196. Hou T, Shi Y, Cheng S, Yang X, Li L, Xiao C. Nogo-A expresses on neural stem cell surface. *Int J Neurosci* 2010 Mar;120(3):201-5.
197. Gong T, Wei Q, Mao D, Shi F. Expression patterns of taste receptor type 1 subunit 3 and α -gustducin in the mouse testis duringdevelopment. *Acta Histochem* 2016 Jan;118(1):20-30.
198. Wang J, Wang X, Gao C, Song X, Niu Z, Gao Z, Qin Z, Chang J, Wang H. The pyrimidine analog FNC inhibits cell proliferation and viral protein synthesis in HTLV-1-infected cells. *Mol Med Rep* 2013 May;7(5):1656-60.
199. Yu ZY, Bai YN, Luo LX, Wu H, Zeng Y. Expression of microRNA-150 targeting vascular endothelial growth factor-A is downregulated under hypoxiaduring liver regeneration. *Mol Med Rep* 2013 Jul;8(1):287-93.
200. Qiu XH, Li F, Cao HQ, Shao JJ, Mei JG, Li HQ, Zhai YP. Activity of fibroblast growth factor receptor inhibitors TKI258, ponatinib and AZD4547 againstTPR FGFR1 fusion. *Mol Med Rep* 2017 Mar;15(3):1024-1030.
201. Ren A, Fu G, Qiu Y, Cui H. Leflunomide inhibits proliferation and tumorigenesis of oral squamous cell carcinoma. *Mol Med Rep* 2017 Dec;16(6):9125-9130.
202. Yu LN, Yu J, Zhang FJ, Yang MJ, Ding TT, Wang JK, He W, Fang T, Chen G, Yan M. Sevoflurane postconditioning reduces myocardial reperfusion injury in rat isolated hearts viaactivation of PI3K/Akt signaling and modulation of Bcl-2 family proteins. *J ZHEJIANG UNIV-SC B* 2010 Sep;11(9):661-72.
203. Wang W, Wang L, Li XX, Chen X, Zhang HY, He Y, Wang JJ, Zhao YY, Zhang BL, Xu YX. Effect of interrupted endogenous BMP/Smad signaling on growth and steroidogenesis of porcinegranulosa cells. *J ZHEJIANG UNIV-SC B* 2010 Sep;11(9):719-27.
204. Wang F, Lin J, Hou W, Huang MY, Sun PH, Chen WM. 5-Benzylidene-3,4-dihalo-furan-2-one derivatives inhibit human leukemia cancer cells throughsuppression of NF- κ B and GSK-3 β . *ANTI-CANCER AGENT ME* 2015;15(6):744-54.
205. Wang J, Huang J, Wang L, Chen C, Yang D, Jin M, Bai C, Song Y. Urban particulate matter triggers lung inflammation via the ROS-MAPK-NF- κ B signaling pathway. *J Thorac Dis* 2017 Nov;9(11):4398-4412.
206. Shen X, Tang J, Hu J, Guo L, Xing Y, Xi T. MiR-424 regulates monocytic differentiation of human leukemia U937 cells by directly targeting CDX2. *Biotechnol Lett* 2013 Nov;35(11):1799-806.
207. Tan L, Meng L, Shi X, Yu B. Knockdown of microRNA-17-5p ameliorates atherosclerotic lesions in ApoE-/- mice and restores the expression of very low density lipoprotein receptor. *Biotechnol Lett* 2017 Jul;39(7):967-976.
208. Lin XL, Liu Y, Liu M, Hu H, Pan Y, Fan XJ, Hu XM, Zou WW. Inhibition of Hydrogen Peroxide-Induced Human Umbilical Vein Endothelial Cells Aging by AllicinDepends on Sirtuin1 Activation. *MED SCI MONITOR* 2017 Jan 31;23:563-570.
209. Liang W, Zhou X, Yao L, Liu B. Cryopreservation-Altered Expression of RNA and Protein Markers in Biological Specimens. *Biopreserv Biobank* 2017 Jun;15(3):176-181.
210. Chen X, Gao YD, Yang J. Elevated interferon regulatory factor 4 levels in patients with allergic asthma. *J Asthma* 2012 Jun;49(5):441-9.
211. Ding S, Peng H, Fang HS, Zhou JL, Wang Z. Pulsed electromagnetic fields stimulation prevents steroid-induced osteonecrosis in rats. *BMC MUSCULOSKEL DIS* 2011 Sep 29;12:215.
212. Du YF, Liang L, Shi Y, Long QZ, Zeng J, Wang XY, He DL. Multi-target siRNA based on DNMT3A/B homologous conserved region influences cell cycle andapoptosis of human prostate cancer cell line TSU-PR1. *Genet Mol Biol* 2012 Jan;35(1):164-71.
213. Yan B, Zhou Y, Feng S, Lv C, Xiu L, Zhang Y, Shi J, Li Y, Wei P, Qin Z. β -Elemene-Attenuated Tumor Angiogenesis by Targeting Notch-1 in Gastric Cancer Stem-Like Cells. *EVID-BASED COMPL ALT* 2013;2013:268468.
214. Chen Q, Zhan Q, Li Y, Sun S, Zhao L, Zhang H, Zhang G. Schisandra Lignan Extract Protects against Carbon Tetrachloride-Induced Liver Injury in Mice by Inhibiting Oxidative Stress and Regulating the NF- κ B and JNK Signaling Pathways. *EVID-BASED COMPL ALT* 2017;2017:5140297.
215. Zhou D, Wang J, He LN, Li BH, Ding YN, Chen YW, Fan JG. Prolyl oligopeptidase attenuates hepatic stellate cell activation through induction of Smad7 and PPAR- γ . *Exp Ther Med* 2017 Feb;13(2):780-786.
216. Zhu Z, Yi S, Shan Z, Guo H, Ke S. Effect of isoflurane + N2O inhalation and

propofol + fentanyl anesthesia on myocardial function as assessed by cardiac troponin, caspase-3, cyclooxygenase-2 and inducible nitric oxide synthase

expression. Exp Ther Med 2017 Nov;14(5):4377-4382.

注：更多使用本产品的文献请参考产品网页。

Version 2024.03.12