

GAPDH抗体(小鼠单抗)

产品编号	产品名称	包装
AG019	GAPDH抗体(小鼠单抗)	>40次

产品简介:

来源	用途	可检测样品	抗体类型	GAPDH分子量
Mouse	WB, IF, IHC, ELISA	Mam, C, Fi, Fr	IgG1	~36kD

WB, Western blot; IF, Immunofluorescence; IHC, Immunohistochemistry.

Mam, mammalian, including human, mouse, rat, pig, rabbit, dog, cat; C, chicken; Fi, fish; Fr, frog. 不能用于检测bovine和yeast样品。

- 本GAPDH抗体(GAPDH antibody, 也称为G3PDH antibody)为进口分装, 用从兔肌肉纯化获得的GAPDH作为抗原制备而成的抗GAPDH小鼠单克隆抗体。克隆号为6C5。
- GAPDH (Glyceraldehyde-3-phosphate dehydrogenase)是糖酵解(glycolysis)过程中的关键酶之一。GAPDH由4个分子量约为36kD的亚基组成, 总的分子量为146kD。在SDS-PAGE凝胶电泳时解聚为单体, 显示的分子量约为36kD。哺乳动物的GAPDH除了在糖酵解过程中起作用外, 还和membrane fusion, microtubule bundling, RNA出核运输, DNA复制和DNA修复等有关, 并和前列腺癌、神经细胞凋亡、神经退行性疾病等相关。
- GAPDH几乎在所有组织和细胞中组成性高表达。只有缺氧和糖尿病等情况可以在某些细胞中上调GAPDH的蛋白水平。
- GAPDH在各种组织和细胞中都组成性高表达, 因此被广泛用于Western时上样量是否一致的参照(loading control)。
- 配套提供了Western一抗稀释液, 可以用于Western检测时的一抗稀释。
- 建议抗体使用时的稀释比例如下(实际使用时需根据抗原水平的高低作适当调整):

WB	IF	IHC	ELISA
1:500-1000	1:400	1:400	1:1000-5000

- 本抗体如果用于常规的Western检测, 至少可以检测40次。

包装清单:

产品编号	产品名称	包装
AG019-1	GAPDH抗体(小鼠单抗)	40μl
AG019-2	Western一抗稀释液	40ml
—	说明书	1份

保存条件:

GAPDH抗体-20℃保存, Western一抗稀释液-20℃或4℃保存, 一年有效。Western一抗稀释液优先推荐4℃保存, 长期不使用可以考虑-20℃保存, 但冻融可能会导致出现轻微的浑浊和少量不溶物。

注意事项:

- 在Western实验后, 请注意回收稀释的抗体。回收的抗体在进行Western实验时至少可以重复使用10次。稀释后的抗体, 包括已经使用过的稀释抗体, 4℃保存。
- 回收后重复使用的抗体, 使用方法同新鲜稀释的抗体。如果在重复使用过程中发现抗体出现轻微混浊现象, 可以10000g离心1-3分钟, 取上清用于后续检测。如果回收的抗体出现明显的絮状物或长霉长菌等情况, 则可以考虑废弃该抗体。
- 本产品仅限于专业人员的科学研究用, 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。

使用说明:

1. Western检测:

- 按照1: 500-1000用碧云天提供的Western一抗稀释液稀释抗体。
- 把经过封闭的蛋白膜与稀释好的一抗4℃缓慢摇动过夜或室温缓慢摇动1-2小时, 确保稀释的抗体至少能在摇动的瞬间覆盖蛋白膜。通常与一抗4℃缓慢摇动过夜效果更好一些。
- 回收稀释的一抗, 4℃保存以备下次继续使用。
- 按照Western的实验步骤进行后续的洗涤、二抗孵育、洗涤和检测等操作。具体操作可以参考如下网页: <http://www.beyotime.com/support/western.htm>

2. 免疫染色:

可以使用碧云天生产的免疫染色一抗稀释液(P0103)稀释抗体, 使用后注意回收稀释好的一抗, 具体操作可以参考如下网页: <http://www.beyotime.com/support/immunol-staining.htm>

3. 其它实验操作请自行参考适当的protocol进行。

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