

Actin抗体(smooth muscle specific, 小鼠单抗)

产品编号	产品名称	包装
AA132	Actin抗体(smooth muscle specific, 小鼠单抗)	>20次

产品简介:

来源	用途	可检测样品	抗体类型	α -actin分子量
Mouse	WB, IF, IHC, ELISA	Mam, C, S, Fr	IgG2a	~42kD

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

Mam, mammalian, including human, mouse, rat, bovine, sheep, pig, rabbit, dog, guinea pig; C, chicken; S, snake; Fr, frog.

- 本Actin抗体特异性识别 α -smooth muscle actin, 为进口分装, 用人工合成的 α -smooth muscle actin N-terminal一段十肽作为抗原制备而成的抗 α -smooth muscle actin小鼠单克隆抗体。克隆号为1A4。本Actin抗体(smooth muscle specific)在Western blot或免疫染色时仅识别 α -smooth muscle actin。
- Actin即肌动蛋白, 是细胞的一种重要骨架蛋白。同时Actin在细胞分泌、吞噬、locomotion、cytoplasmic streaming和cytokinesis等过程中起重要作用。Actin在不同物种之间高度保守, 以至于很难获得较好的针对actin的抗血清。Actin大致可分为六种, 其中四种是不同肌肉组织特异性的, 包括 α -skeletal muscle actin, α -cardiac muscle actin, α -smooth muscle actin, 和 γ -smooth muscle actin; 其余两种广泛分布于各种组织中, 包括 β -actin (β -non-muscle)和 γ -non-muscle actin。不同的actin之间同源性大于90%, 但在N-terminal同源性仅50-60%, 因此N-terminal常被用作actin的抗原。
- α -smooth muscle actin的免疫染色可以用于判断是否是smooth muscle。
- 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
1:1000	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20次。

包装清单:

产品编号	产品名称	包装
AA132-1	Actin抗体(smooth muscle specific, 小鼠单抗)	20 μ l
AA132-2	Western一抗稀释液	20ml
—	说明书	1份

保存条件:

Actin抗体(smooth muscle specific)-20 $^{\circ}$ C保存, Western一抗稀释液-20 $^{\circ}$ C或4 $^{\circ}$ C保存, 一年有效。Western一抗稀释液优先推荐4 $^{\circ}$ C保存, 长期不使用可以考虑-20 $^{\circ}$ C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 $^{\circ}$ C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: 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 $^{\circ}$ C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。
- 回收稀释的一抗, 4 $^{\circ}$ C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。

使用本产品的文献:

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