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 订货热线: 400-1683301 或 800-8283301
 订货 e-mail: order@beyotime.com
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Cytochrome C抗体(小鼠单抗)

产品编号	产品名称	包装
AC909	Cytochrome C抗体(小鼠单抗)	>20次

产品简介:

来源	用途	交叉反应性	抗体类型	Cytochrome C分子量
Mouse	WB, IP, IF, F	H, M, R	IgG2b	~15kD

WB, Western blot; IP, Immunoprecipitation; IF, Immunofluorescence; F, Flow cytometry.

H, human; M, mouse; R, rat.

- 本Cytochrome C抗体(Cytochrome C antibody, 细胞色素C抗体)为进口分装, 用变性的重组人Cytochrome C作为抗原制备而成的抗Cytochrome C小鼠单克隆抗体。克隆号为7H8。
- 本Cytochrome C抗体识别的是总Cytochrome C (total Cytochrome C), 可以检测内源性的Cytochrome C, 未发现和其它激酶有交叉反应。
- 本抗体可以用于通过Western或免疫荧光检测线粒体内的Cytochrome C的释放情况, 以确定Cytochrome C释放和凋亡的相关性, 或直接用Cytochrome C释放来判断细胞凋亡的状况。正常细胞Cytochrome C的染色集中在线粒体, 而凋亡细胞的Cytochrome C则呈弥散分布。
- Cytochrome C, 即细胞色素C, 是线粒体电子呼吸链中的一个重要蛋白。Cytochrome C在进化上高度保守。当细胞发生凋亡时, 细胞色素C会从线粒体中释放到细胞浆中, 并且作为细胞凋亡的关键调控步骤。在细胞色素C和dATP存在的情况下, Caspase-9和Apaf-1可以相互结合, 并促使Caspase-9激活。细胞色素C的释放和Caspase-9的激活对于激活其它的Caspase包括Caspase-3, 以及导致后续的DNA片段化(DNA fragmentation)至关重要。细胞凋亡的抑制蛋白, Bcl-2或Bcl-XL都可以抑制细胞色素C从线粒体的释放; 而细胞凋亡的促进蛋白Bax, 可以诱导细胞色素C从线粒体的释放。
- Cytochrome C从线粒体释放到细胞浆中常被作为细胞凋亡的一个重要指标。
- 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	IP	IF	F
1:200	1:20	1:50	1:50

- 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
AC909-1	Cytochrome C抗体(小鼠单抗)	100μl
AC909-2	Western一抗稀释液	20ml
—	说明书	1份

保存条件:

Cytochrome C抗体-20°C保存, Western一抗稀释液-20°C或4°C保存, 一年有效。Western一抗稀释液优先推荐4°C保存, 长期不使用可以考虑-20°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°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1:200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°C缓慢摇动过夜或室温缓慢摇动2小时, 确保稀释的抗体至少能在摇动的瞬间覆盖蛋白

膜。

c. 回收稀释的一抗，4°C保存以备下次继续使用。

d. 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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