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Cytochrome C抗体(小鼠单抗)

| 产品编号 | 产品名称 | 包装 |
|-------|----------------------|------------|
| AC908 | Cytochrome C抗体(小鼠单抗) | 10 μ g |

产品简介:

| 来源 | 用途 | 交叉反应性 | 抗体识别位点 | 抗体类型 | Cytochrome C分子量 |
|-------|----------------|---------|---------------------------------------|------|-----------------|
| Mouse | IF, IHC, IP, F | H, M, R | Around residue 64 of rat Cytochrome C | IgG1 | 15 kD |

IF, Immunofluorescence; IHC, Immunohistochemistry; IP, Immunoprecipitation; F, Flow cytometry.

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

- 本Cytochrome C抗体(Cytochrome C antibody)为进口分装,用大鼠Cytochrome C为抗原制备而成的抗Cytochrome C小鼠单克隆抗体。克隆号为6H2.B4。
- 本Cytochrome C抗体可以用于免疫荧光、免疫组化、免疫沉淀和流式检测,但不适合用于Western检测。本抗体仅仅识别native Cytochrome C,不识别denatured Cytochrome C。
- 本抗体可以用于通过免疫荧光或免疫组化检测线粒体内的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,是线粒体内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。
- 配套提供了免疫染色一抗稀释液,可以用于免疫染色时的一抗稀释。
- 建议抗体使用时的稀释比例为(实际使用时需更据抗原水平的高低作适当调整):

| IF | IHC | IP | F |
|-------|-------|-------|-------|
| 1:500 | 1:200 | 1:100 | 1:100 |

包装清单:

| 产品编号 | 产品名称 | 包装 |
|---------|---|------------|
| AC908-1 | Cytochrome C抗体 (0.5 μ g/ μ l, 小鼠单抗) | 10 μ g |
| AC908-2 | 免疫染色一抗稀释液 | 10ml |
| — | 说明书 | 1份 |

保存条件:

Cytochrome C抗体-20 $^{\circ}$ C保存,免疫染色一抗稀释液-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:

- 由于本抗体识别的是native Cytochrome C,请尽量避免使用容易导致蛋白变性的条件处理细胞或组织。
- 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. 免疫染色:

可以使用随抗体提供的免疫染色一抗稀释液稀释抗体;如果不是滴染,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>

2. 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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