

## Caspase-3(激活型)抗体(兔单抗)

产品编号	产品名称	包装
AC033	Caspase-3(激活型)抗体(兔单抗)	>20次

### 产品简介:

来源	用途	交叉反应性	抗体识别位点	Caspase-3分子量
Rabbit	WB, IP, IF, IHC, F	H, M, R	Cleaved Caspase-3 at Asp175	19/17 kD

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

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

- 本Caspase-3(激活型)抗体为Cleaved Caspase-3 (Asp175)抗体, 为进口分装, 用人工合成的一段邻近Asp175的human Caspase-3的多肽片段, 并通过适当修饰后免疫兔子制备而成的抗Caspase-3 (cleaved at Asp175)兔单克隆抗体。克隆号为5A1(Clone 5A1), 是一种应用较广的检测Cleaved Caspase-3(Asp175)抗体。
- 本Caspase-3(激活型)抗体仅仅识别在Asp175位剪切后产生的19和17 kD Caspase-3片段, 即所谓的激活型Caspase-3。不识别全长的Caspase-3 (32kD), 也不识别Caspase-3在其它位点被剪切产生的Caspase-3片段。
- 本抗体可以通过免疫荧光或免疫组化检测细胞凋亡过程中Caspase-3的激活。本抗体染色呈阳性的细胞可以判定为Caspase-3被激活的细胞。
- Caspase-3是细胞凋亡过程中最关键的执行分子(key executioner)之一, 可以剪切细胞凋亡过程中的许多关键蛋白, 例如PARP。Caspase-3的激活需要从没有活性的全长Caspase-3(35kD), 在Asp28和Ser29之间及Asp175和Ser176之间进行剪切, 产生有活性的17kD亚基和12kD的亚基。
- Caspase-3的激活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为(实际使用时需根据抗原水平的高低作适当调整):

WB	IP	IF	IHC	F
1:1000	1:100	1:500	1:100	1:100

- 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
AC033-1	Caspase-3(激活型)抗体(兔单抗)	20μl
AC033-2	Western一抗稀释液	20ml
—	说明书	1份

### 保存条件:

Caspase-3(激活型)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:

- 对于本抗体, Western检测时一抗要4°C缓慢摇动过夜, 如果仅短时间与一抗孵育检测效果较差。
- 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1:1000用碧云天提供的Western一抗稀释液稀释Caspase-3(激活型)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, 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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