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COX IV抗体(兔多抗)

产品编号	产品名称	包装
AC610	COX IV抗体(兔多抗)	>20次

产品简介:

来源	用途	交叉反应性	COX IV分子量
Rabbit	WB, IP, IHC-P, IF, F	H, M, R, Mk, B	~17kD

WB, Western blot; IP, Immunoprecipitation; IHC-P, Immunohistochemistry(Paraffin); IF, Immunofluorescence; F, Flow cytometry.

H, human; M, mouse; R, rat; Mk, monkey; B, bovine.

- 本COX IV抗体(COX IV antibody, 即Cytochrome c oxidase IV antibody)为进口分装, 用人工合成的人COX IV Lys29附近的一段多肽进行适当修饰后免疫rabbit, 然后用protein A和抗原多肽亲和柱经过两步纯化得到的高纯度抗体。
- 真核细胞中的细胞色素c氧化酶(Cytochrome c oxidase, 简称COX)是一种异源寡聚酶, 通常含有13个亚基, 定位于线粒体内膜, 是线粒体呼吸链的酶复合物, 它可以从每4个还原性的细胞色素c得到一个电子, 传递给一个氧分子, 最终把一个氧分子转变成两个水分子。在此过程中细胞色素c氧化酶会结合4个质子用于产生2个水分子, 同时把4个质子转移到膜的另外一侧产生质子梯度, 即建立跨膜的电化学势, 随后ATP合成酶可以利于该电化学势合成ATP。细胞色素c氧化酶中形成催化中心的3个最大的亚基由线粒体DNA编码, 其余10个亚基包括COX IV由细胞核内的基因组DNA编码。细胞色素c氧化酶(COX)活性缺陷和人类多种疾病相关。
- COX IV抗体可用作线粒体蛋白上样量的内参。
- 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	IHC-P	IF	F
1:1000	1:100	1:2000	1:750	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
AC610-1	COX IV抗体(兔多抗)	20μl
AC610-2	Western一抗稀释液	20ml
—	说明书	1份

保存条件:

COX IV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:

- 对于本抗体, Western检测时一抗要4℃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℃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℃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。
- 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。

使用本产品的文献：

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