

Anti-Caspase-9 antibody [E84] ab32068

敲除验证 重组 RabMAb

15 References 5 图像

概述

产品名称	Anti-Caspase-9抗体[E84]
描述	兔单克隆抗体[E84] to Caspase-9
宿主	Rabbit
经测试应用	适用于: WB, IHC-P 不适用于: ICC/IF or IP
种属反应性	与反应: Human
免疫原	Synthetic peptide within Human Caspase-9 aa 1-100 (N terminal). The exact sequence is proprietary.
阳性对照	Jurkat cell lysate
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 49% PBS, 50% Glycerol (glycerin, glycerine), 0.05% BSA
纯度	Protein A purified
克隆	单克隆

克隆编号	E84
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab32068于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

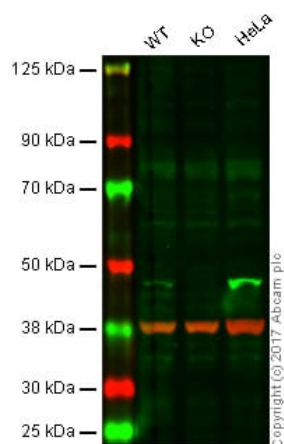
应用	Ab评论	说明
WB		1/2000. Detects a band of approximately 46 kDa (predicted molecular weight: 46 kDa).
IHC-P		1/25. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

应用说明 Is unsuitable for ICC/IF or IP.

靶标

功能	Involved in the activation cascade of caspases responsible for apoptosis execution. Binding of caspase-9 to Apaf-1 leads to activation of the protease which then cleaves and activates caspase-3. Proteolytically cleaves poly(ADP-ribose) polymerase (PARP). Isoform 2 lacks activity is an dominant-negative inhibitor of caspase-9.
组织特异性	Ubiquitous, with highest expression in the heart, moderate expression in liver, skeletal muscle, and pancreas. Low levels in all other tissues. Within the heart, specifically expressed in myocytes.
序列相似性	Belongs to the peptidase C14A family. Contains 1 CARD domain.
发展阶段	Expressed at low levels in fetal heart, at moderate levels in neonate heart, and at high levels in adult heart.
翻译后修饰	Cleavages at Asp-315 by granzyme B and at Asp-330 by caspase-3 generate the two active subunits. Caspase-8 and -10 can also be involved in these processing events.

图片



Western blot - Anti-Caspase-9 antibody [E84]
(ab32068)

Lanes:

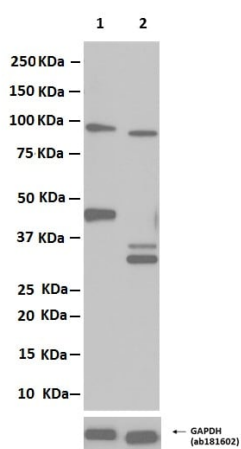
Lane 1: Wild-type HAP1 whole cell lysate (40 µg).

Lane 2: CASP9 knockout HAP1 whole cell lysate (40µg).

Lane 3: HeLa whole cell lysate (40 µg).

Lanes 1 - 3 Merged signal (red and green). Green - ab32068 observed at 45 kDa. Red - loading control, **ab8245**, observed at 37 kDa.

ab32068 was shown to specifically recognize CASP9 in wild-type HAP1 cells along with additional cross-reactive bands. No band was observed when CASP9 knockout samples were examined. Wild-type and CASP9 knockout samples were subjected to SDS-PAGE. Ab32068 and **ab8245** (Mouse anti GAPDH loading control) were incubated overnight at 4°C at 1/500 dilution and 1/10,000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed **ab216773** and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed **ab216776** secondary antibodies at 1/10,000 dilution for 1 hour at room temperature before imaging.



Western blot - Anti-Caspase-9 antibody [E84]
(ab32068)

All lanes : Anti-Caspase-9 antibody [E84] (ab32068) at 1/1000 dilution

Lane 1 : Untreated HeLa (human epithelial cell line from cervix adenocarcinoma) whole cell lysate

Lane 2 : HeLa treated with staurosporine 1uM for 4 hours whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

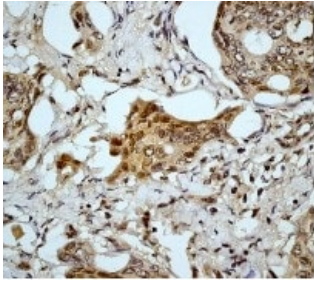
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 46 kDa

Additional bands at: 35 kDa, 37 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 3 minutes

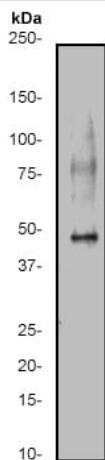
Blocking/dilution buffer: 5% NFDm/TBST.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Caspase-9 antibody [E84] (ab32068)

Immunohistochemical analysis of paraffin-embedded human colon adenocarcinoma using anti-Pro-Caspase-9 RabMAb (ab32068).

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Western blot - Anti-Caspase-9 antibody [E84] (ab32068)

Anti-Caspase-9 antibody [E84] (ab32068) at 1/2000 dilution + Jurkat cell lysate at 10 μ g

Predicted band size: 46 kDa

Observed band size: 46 kDa

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-Caspase-9 antibody [E84] (ab32068)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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