

Anti-Cleaved Caspase-7 antibody [EPR22840-25] ab256469

敲除验证
重组
RabMAb

4 References 3 图像

概述

产品名称	Anti-Cleaved Caspase-7抗体[EPR22840-25]
描述	兔单克隆抗体[EPR22840-25] to Cleaved Caspase-7
宿主	Rabbit
经测试应用	适用于: WB, IP 不适用于: Flow Cyt, ICC/IF or IHC-P
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: HeLa treated with 1 μ M staurosporine for 3 hours whole cell lysate, Wild-type HAP1 treated with 1 μ M staurosporine for 3 hours whole cell lysate, mouse and rat spleen whole cell lysate. IP: HeLa treated with 1 μ M Staurosporine for 3 hours whole 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>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
存储溶液	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR22840-25

同种型

IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab256469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		1/1000. Detects a band of approximately 22, 18 kDa (predicted molecular weight: 34 kDa).
IP		1/30.

应用说明

Is unsuitable for Flow Cyt,ICC/IF or IHC-P.

靶标

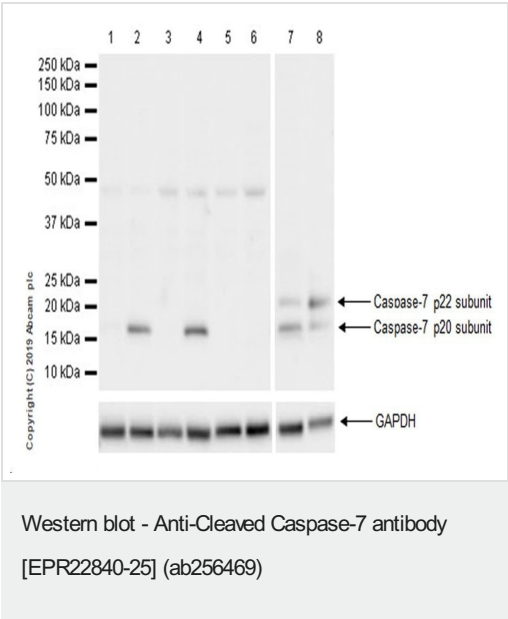
相关性

Caspases are cysteine proteases, expressed as inactive precursors, that mediate apoptosis by proteolysis of specific substrates. Caspases have the ability to cleave after aspartic acid residues. There are two classes of caspases involved in apoptosis; initiators (activation by receptor cluster) and effectors (activation by mitochondrial permeability transition). Proapoptotic signals autocatalytically activate initiator caspases, such as Caspase 8 and Caspase 9. Activated initiator caspases then process effector caspases, such as Caspase 3 and Caspase 7, which in turn cause cell collapse.

细胞定位

Cytoplasmic

图片



All lanes : Anti-Cleaved Caspase-7 antibody [EPR22840-25] (ab256469) at 1/1000 dilution

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

Lane 2 : HeLa treated with 1 μ M staurosporine for 3 hours whole cell lysate

Lane 3 : Untreated wild-type HAP1 whole cell lysate

Lane 4 : Wild-type HAP1 treated with 1 μ M staurosporine for 3 hours whole cell lysate

Lane 5 : Untreated caspase-7 knockout HAP1 whole cell lysate

Lane 6 : Caspase-7 knockout HAP1 treated with 1 μ M staurosporine for 3 hours whole cell lysate

Lane 7 : Mouse spleen lysate

Lane 8 : Rat spleen lysate

Lysates/proteins at 20 µg per lane.

Secondary

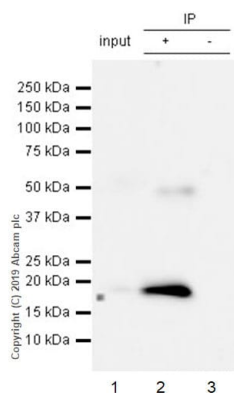
All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution

Predicted band size: 34 kDa

Observed band size: 18,22 kDa

Exposure time: 26 seconds

Caspase-7 is activated upon apoptotic induction. Caspase-7 p22 subunit (22 kDa) and p20 subunit (18 kDa) are observed. The molecular weight observed is consistent with what has been described in the literature (PMID: 16352606). This antibody reacts with an unidentifiable protein around 48 kDa. ab256469 was shown to specifically react with Caspase-7 in wild-type HAP1 cells as signal was lost in Caspase-7 knockout cells. Wild-type and Caspase-7 knockout samples were subjected to SDS-PAGE. ab256469 and [ab181602](#) (Rabbit anti-GAPDH loading control) were incubated 1 hour at room temperature at 1/1000 dilution and 1/200,000 dilution respectively. Blots were developed with Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated ([ab97051](#)) secondary antibody at 1/100,000 dilution for 1 hour at room temperature before imaging. The blot was developed on a BIO-RAD® ChemiDoc™ instrument using the ECL technique. Blocking and Diluting Buffer and concentration: 5% NFDm/TBST.



Immunoprecipitation - Anti-Cleaved Caspase-7 antibody [EPR22840-25] (ab256469)

Cleaved Caspase-7 was immunoprecipitated from 0.35 mg HeLa (Human cervix adenocarcinoma epithelial cell) treated with 1µM Staurosporine for 3h whole cell lysate 10µg with ab256469 at 1/30 dilution (2µg in 0.35mg lysates). Western blot was performed on the immunoprecipitate using ab256469. VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)) was used at 1/1000 dilution.

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) treated with 1µM Staurosporine for 3h whole cell lysate 10µg

Lane 2: ab256469 IP in HeLa treated with 1µM Staurosporine for 3h whole cell lysate

Lane 3: Rabbit monoclonal IgG ([ab172730](#)) instead of ab256469 in HeLa treated with 1µM Staurosporine for 3h whole cell lysate.

Blocking and dilution buffer and concentration: 5% NFDm/TBST.

Exposure time: 15 seconds.

This antibody reacts with an unidentifiable protein around 48 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-Cleaved Caspase-7 antibody [EPR22840-25]
(ab256469)

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

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