

Anti-Caspase-2 antibody [EPR16796] ab179520

敲除验证
重组
RabMAb

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概述

产品名称	Anti-Caspase-2抗体[EPR16796]
描述	兔单克隆抗体[EPR16796] to Caspase-2
宿主	Rabbit
经测试应用	适用于: WB
种属反应性	与反应: Mouse, Rat, Human
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: HeLa whole cell lysates treated with 4uM camptothecin for 4 hours; C6 whole cell lysates treated with 1uM staurosporine for 4 hours; RAW 264.7 whole cell lysate; Human fetal kidney 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	<p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 0.05% BSA, 40% Glycerol (glycerin, glycerine)</p>
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR16796
同种型	IgG

应用

The Abpromise guarantee **Abpromise™** 承诺保证使用ab179520于以下的经测试应用

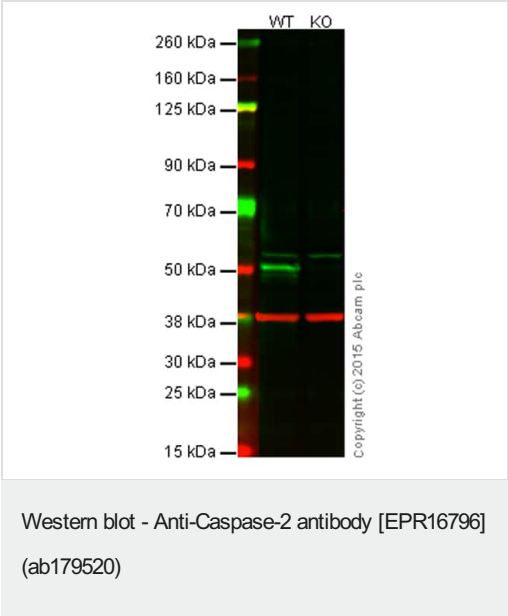
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/1000. Detects a band of approximately 48, 33 kDa (predicted molecular weight: 51 kDa).

靶标

功能	Involved in the activation cascade of caspases responsible for apoptosis execution. Might function by either activating some proteins required for cell death or inactivating proteins necessary for cell survival.
组织特异性	Expressed at higher levels in the embryonic lung, liver and kidney than in the heart and brain. In adults, higher level expression is seen in the placenta, lung, kidney, and pancreas than in the heart, brain, liver and skeletal muscle.
序列相似性	Belongs to the peptidase C14A family. Contains 1 CARD domain.
翻译后修饰	The mature protease can process its own propeptide, but not that of other caspases.

图片

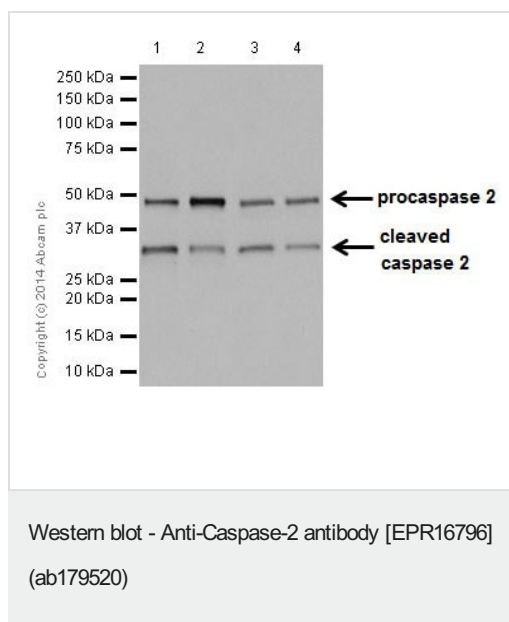


Lane 1: Wild-type HAP1 cell lysate (20 µg)

Lane 2: Caspase-2 knockout HAP1 cell lysate (20 µg)

Lanes 1 and 2: Merged signal (red and green). Green - **ab17952** observed at 51 kDa. Red - loading control, **ab8226**, observed at 42 kDa.

ab179520 was shown to recognize Caspase-2 when Caspase-2 knockout samples were used, along with additional cross-reactive bands. Wild-type and Caspase-2 knockout samples were subjected to SDS-PAGE. ab179520 and **ab8226** (loading control to beta Actin) were both diluted 1/1000 and incubated overnight at 4°C. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed (**ab216776**) secondary antibodies at 1/10000 dilution for 1 h at room temperature before imaging.



All lanes : Anti-Caspase-2 antibody [EPR16796] (ab179520) at 1/2000 dilution

Lane 1 : HeLa (Human epithelial cells from cervix adenocarcinoma) whole cell lysate treated with 4uM camptothecin for 4 hours

Lane 2 : Untreated HeLa whole cell lysate

Lane 3 : C6 (Rat glial tumor cells) whole cell lysate treated with 1uM staurosporine for 4 hours

Lane 4 : Untreated C6 whole cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat anti-rabbit IgG, (H+L), peroxidase conjugated at 1/1000 dilution

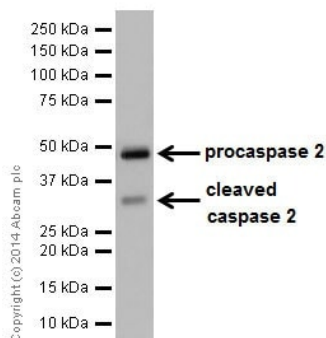
Predicted band size: 51 kDa

Observed band size: 33,48 kDa

Exposure time: 3 minutes

The 33KDa band (cleaved caspase 2) contains subunit p18.

Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot - Anti-Caspase-2 antibody [EPR16796]
(ab179520)

Anti-Caspase-2 antibody [EPR16796] (ab179520) at 1/1000 dilution + RAW 264.7 (Mouse macrophage cells transformed with Abelson murine leukemia virus) whole cell lysate at 10 μ g

Secondary

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

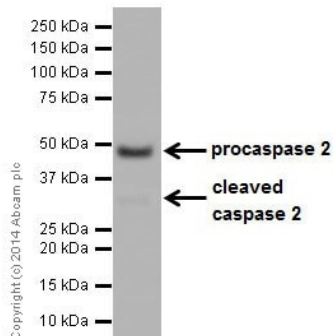
Predicted band size: 51 kDa

Observed band size: 33,48 kDa

Exposure time: 3 minutes

The 33KDa band (cleaved caspase 2) contains subunit p18.

Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot - Anti-Caspase-2 antibody [EPR16796]
(ab179520)

Anti-Caspase-2 antibody [EPR16796] (ab179520) at 1/2000 dilution + Human fetal kidney tissue lysate at 10 μ g

Secondary

Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1000 dilution

Predicted band size: 51 kDa

Exposure time: 3 minutes

The 33KDa band (cleaved caspase 2) contains subunit p18.

Blocking/Dilution buffer: 5% NFDM/TBST.

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-2 antibody [EPR16796] (ab179520)

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