

### Anti-Caspase-2 antibody [EPR16796] ab179520

KO 評価済 リコンビナント RabMAb

9 References 画像数 5

#### 製品の概要

製品名	Anti-Caspase-2 antibody [EPR16796]
製品の詳細	Rabbit monoclonal [EPR16796] to Caspase-2
由来種	Rabbit
アプリケーション	適用あり: WB
種交差性	交差種: Mouse, Rat, Human
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	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.
特記事項	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"><li>- High batch-to-batch consistency and reproducibility</li><li>- Improved sensitivity and specificity</li><li>- Long-term security of supply</li><li>- Animal-free production</li></ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

#### 製品の特性

製品の状態	Liquid
保存方法	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.
バッファー	Preservative: 0.01% Sodium azide Constituents: 59% PBS, 0.05% BSA, 40% Glycerol (glycerin, glycerine)
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR16796
アイソタイプ	IgG

## アプリケーション

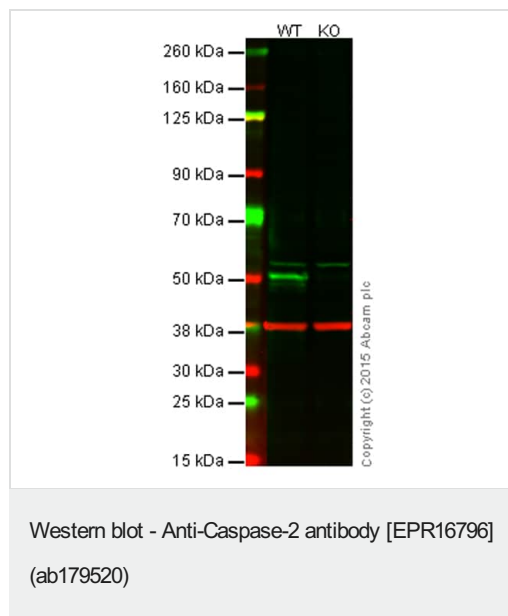
**The Abpromise guarantee** Abpromise保証は、次のテスト済みアプリケーションにおけるab179520の使用に適用されます  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		1/1000. Detects a band of approximately 48, 33 kDa (predicted molecular weight: 51 kDa).

## ターゲット情報

機能	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.
組織特異性	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.
配列類似性	Belongs to the peptidase C14A family. Contains 1 CARD domain.
翻訳後修飾	The mature protease can process its own propeptide, but not that of other caspases.

## 画像

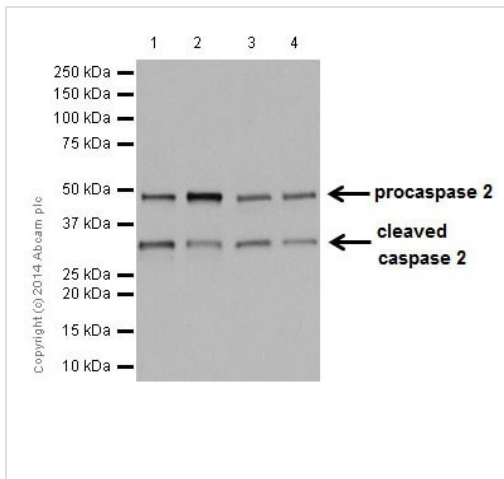


**Lane 1:** Wild-type HAP1 cell lysate (20 µg)

**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.



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

**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

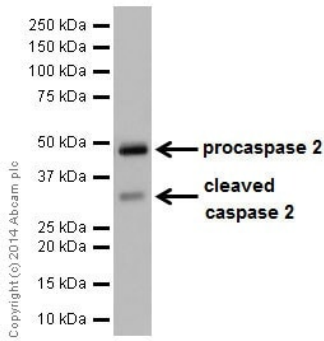
**Predicted band size:** 51 kDa

**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  $\mu$ g

### Secondary

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

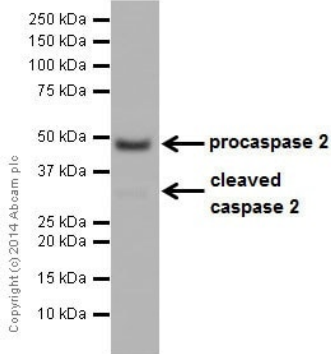
**Predicted band size:** 51 kDa

**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  $\mu$ 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?

 <p><b>Research with confidence</b> Consistent and reproducible results</p>	 <p><b>Long-term and scalable supply</b> Recombinant technology</p>
 <p><b>Success from the first experiment</b> Confirmed specificity</p>	 <p><b>Ethical standards compliant</b> Animal-free production</p>

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

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

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