

Anti-Caspase-2 antibody [EPR17881] ab182738

KO 評価済 リコンビナント RabMAb

1 References 画像数 5

製品の概要

製品名	Anti-Caspase-2 antibody [EPR17881]
製品の詳細	Rabbit monoclonal [EPR17881] 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: 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: Jurkat whole cell lysates treated with 25uM etoposide for 5 hours. Hek-293, SK-BR-3 whole cell lysates. Human thymus tissue 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"> - 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>

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	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA</p>
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR17881
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ab182738の使用に適用されます

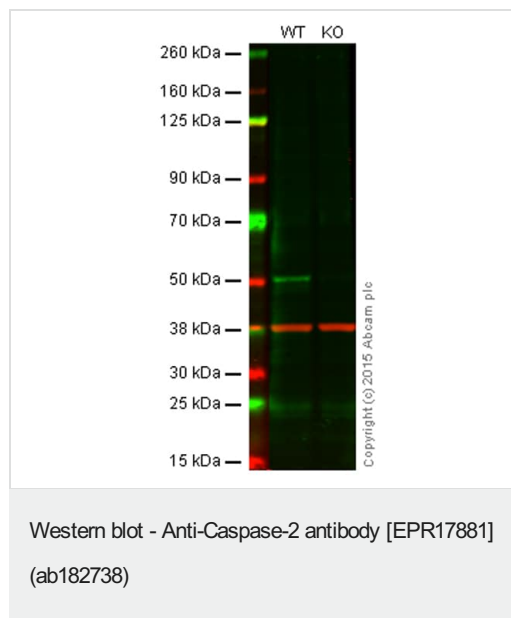
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		1/1000. Detects a band of approximately 48, 32 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

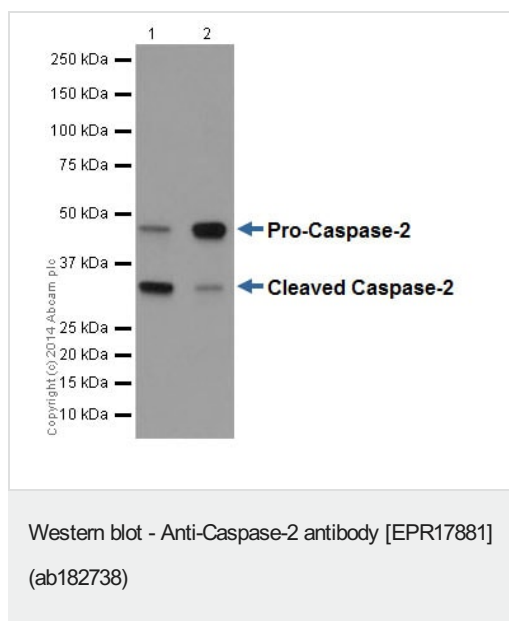


Lane 1: Wild-type HAP1 cell lysate (20 µg).

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

Lanes 1 and 2: Merged signal (red and green). Green - ab182738 observed at 51 kDa. Red - loading control, **ab8226**, observed at 42 kDa.

ab182738 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. ab182738 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 1/10 000 dilution for 1 h at room temperature before imaging.



All lanes : Anti-Caspase-2 antibody [EPR17881] (ab182738) at 1/2000 dilution

Lane 1 : Jurkat (Human T cell leukemia cells from peripheral blood) whole cell lysate treated with 25uM etoposide for 5 hours

Lane 2 : Jurkat (Human T cell leukemia cell line from peripheral blood) whole cell lysate, untreated

Lysates/proteins at 10 µg per lane.

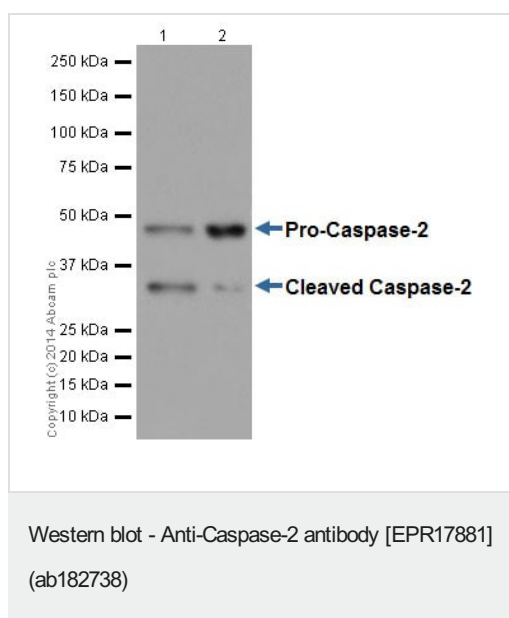
Secondary

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

Predicted band size: 51 kDa

Exposure time: 3 minutes

Blocking/Dilution buffer: 5% NFDM/TBST.



All lanes : Anti-Caspase-2 antibody [EPR17881] (ab182738) at 1/2000 dilution

Lane 1 : HEK-293 (Human epithelial cells from embryonic kidney) whole cell lysates

Lane 2 : SK-BR-3 (Human mammary gland adenocarcinoma) whole cell lysates

Lysates/proteins at 10 µg per lane.

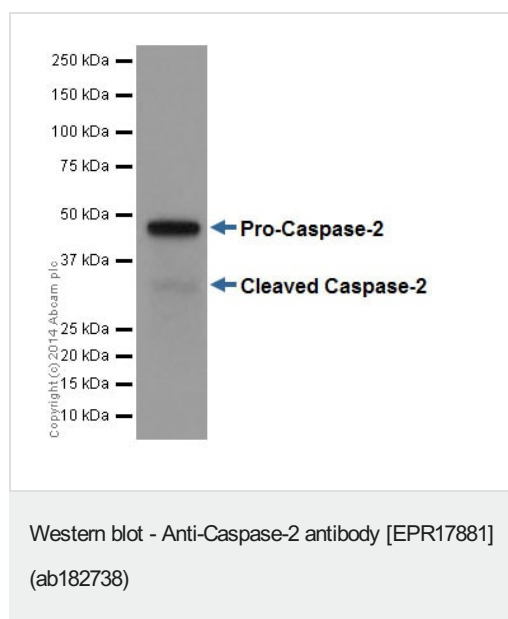
Secondary

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

Predicted band size: 51 kDa

Exposure time: 3 minutes

Blocking/Dilution buffer: 5% NFDM/TBST.



Anti-Caspase-2 antibody [EPR17881] (ab182738) at 1/1000 dilution + Human thymus tissue lysate at 10 µg

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

Blocking/Dilution buffer: 5% NFDM/TBST.

Why choose a recombinant antibody?

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

Anti-Caspase-2 antibody [EPR17881] (ab182738)

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