

Anti-Caspase-8 antibody [E6] ab32125

敲除验证 重组 RabMAb

★★★★☆ 3 Abreviews 26 References 4 图像

概述

产品名称	Anti-Caspase-8抗体[E6]
描述	兔单克隆抗体[E6] to Caspase-8
宿主	Rabbit
特异性	ab32125 should recognize all splice isoforms of Caspase-8.
经测试应用	适用于: WB
种属反应性	与反应: Human
免疫原	Synthetic peptide within Human Caspase-8 aa 1-100 (N terminal). The exact sequence is proprietary. Database link: <a href="#">Q14790</a>
表位	ab32125 reacts with an epitope located in the N terminal region of caspase-8.
阳性对照	WB: HeLa, SH-SY5Y, Jurkat ( <a href="#">ab7899</a> ) and HAP1 whole cell lysates.
常规说明	<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> <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	E6
同种型	IgG

应用

The Abpromise guarantee      **Abpromise™**承诺保证使用ab32125于以下的经测试应用

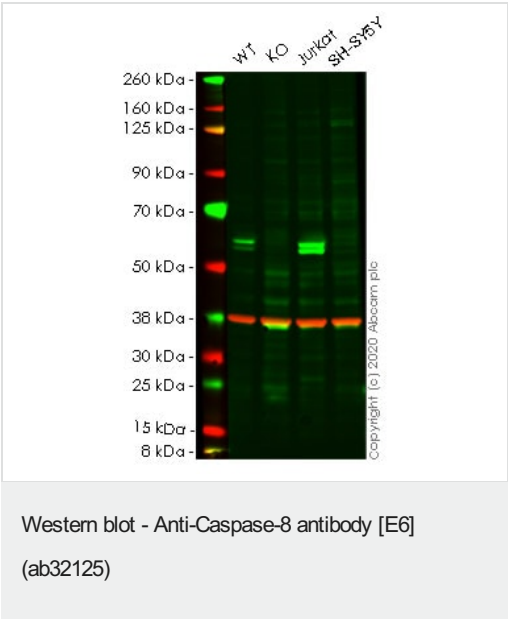
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★★ (3)	1/3000. Detects a band of approximately 55 kDa (predicted molecular weight: 55 kDa).

靶标

功能	<p>Most upstream protease of the activation cascade of caspases responsible for the TNFRSF6/FAS mediated and TNFRSF1A induced cell death. Binding to the adapter molecule FADD recruits it to either receptor. The resulting aggregate called death-inducing signaling complex (DISC) performs CASP8 proteolytic activation. The active dimeric enzyme is then liberated from the DISC and free to activate downstream apoptotic proteases. Proteolytic fragments of the N-terminal propeptide (termed CAP3, CAP5 and CAP6) are likely retained in the DISC. Cleaves and activates CASP3, CASP4, CASP6, CASP7, CASP9 and CASP10. May participate in the GZMB apoptotic pathways. Cleaves ADPRT. Hydrolyzes the small-molecule substrate, Ac-Asp-Glu-Val-Asp-</p> <p>-AMC. Likely target for the cowpox virus CRMA death inhibitory protein. Isoform 5, isoform 6, isoform 7 and isoform 8 lack the catalytic site and may interfere with the pro-apoptotic activity of the complex.</p>
组织特异性	<p>Isoform 1, isoform 5 and isoform 7 are expressed in a wide variety of tissues. Highest expression in peripheral blood leukocytes, spleen, thymus and liver. Barely detectable in brain, testis and skeletal muscle.</p>
疾病相关	<p>Defects in CASP8 are the cause of caspase-8 deficiency (CASP8D) [MIM:607271]. CASP8D is a disorder resembling autoimmune lymphoproliferative syndrome (ALPS). It is characterized by lymphadenopathy, splenomegaly, and defective CD95-induced apoptosis of peripheral blood lymphocytes (PBLs). It leads to defects in activation of T-lymphocytes, B-lymphocytes, and natural killer cells leading to immunodeficiency characterized by recurrent sinopulmonary and herpes simplex virus infections and poor responses to immunization.</p>
序列相似性	<p>Belongs to the peptidase C14A family.</p> <p>Contains 2 DED (death effector) domains.</p>
结构域	<p>Isoform 9 contains a N-terminal extension that is required for interaction with the BCAP31 complex.</p>
翻译后修饰	<p>Generation of the subunits requires association with the death-inducing signaling complex (DISC), whereas additional processing is likely due to the autocatalytic activity of the activated protease. GZMB and CASP10 can be involved in these processing events.</p> <p>Phosphorylated upon DNA damage, probably by ATM or ATR.</p>

图片



**All lanes :** Anti-Caspase-8 antibody [E6] (ab32125) at 1/3000 dilution

- Lane 1 :** Wild-type HeLa cell lysate
- Lane 2 :** CASP8 knockout HeLa cell lysate
- Lane 3 :** Jurkat cell lysate
- Lane 4 :** SH-SY5Y cell lysate

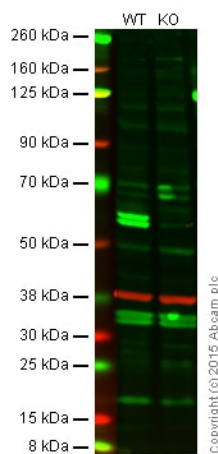
Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

**Predicted band size:** 55 kDa  
**Observed band size:** 55 kDa

**Lanes 1- 4:** Merged signal (red and green). Green - ab32125 observed at 55 kDa. Red - Anti-GAPDH antibody [6C5] - Loading Control ([ab8245](#)) observed at 37 kDa.

ab32125 was shown to react with Caspase-8 in wild-type HeLa cells in western blot. Loss of signal was observed when knockout cell line [ab264958](#) (knockout cell lysate [ab256857](#)) was used. Wild-type HeLa and CASP8 knockout HeLa cell lysates were subjected to SDS-PAGE. Membrane was blocked for 1 hour at room temperature in 0.1% TBST with 3% non-fat dried milk. ab32125 and Anti-GAPDH antibody [6C5] - Loading Control ([ab8245](#)) overnight at 4°C at a 1 in 3000 dilution and a 1 in 20000 dilution respectively. 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 in 20000 dilution for 1 hour at room temperature before imaging.



Western blot - Anti-Caspase-8 antibody [E6]  
(ab32125)

**All lanes :** Anti-Caspase-8 antibody [E6] (ab32125)

**Lane 1 :** Wild-type HAP1 cell lysate

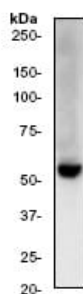
**Lane 2 :** Caspase-8 knockout HAP1 cell lysate

Lysates/proteins at 20 µg per lane.

**Predicted band size:** 55 kDa

**Lanes 1 and 2:** Merged signal (red and green). Green - ab32125 observed at 55 kDa. Red - loading control, **ab8226**, observed at 42 kDa.

ab32125 was shown to recognize Caspase-8 when Caspase-8 knockout samples were used, along with additional cross-reactive bands. Wild-type and Caspase-8 knockout samples were subjected to SDS-PAGE. ab32125 and **ab8226** (loading control to beta actin) were diluted 1/3000 and 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.



Western blot - Anti-Caspase-8 antibody [E6]  
(ab32125)

Anti-Caspase-8 antibody [E6] (ab32125) at 1/3000 dilution + Jurkat cell lysate

**Predicted band size:** 55 kDa

**Observed band size:** 55 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-8 antibody [E6] (ab32125)

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

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