

Anti-Caspase-2 antibody [Y154] ab32021

敲除验证
重组
RabMAb

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概述

产品名称	Anti-Caspase-2抗体[Y154]
描述	兔单克隆抗体[Y154] to Caspase-2
宿主	Rabbit
特异性	This antibody is specific for the pro form and the p18 cleaved form of Caspase-2.
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-2 aa 250-350 (C terminal). The exact sequence is proprietary. Database link: P42575
阳性对照	Jurkat 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> <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. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
存储溶液	<p>pH: 7.20</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 49% PBS, 50% Glycerol (glycerin, glycerine), 0.05% BSA</p>

纯度	Protein A purified
克隆	单克隆
克隆编号	Y154
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab32021于以下的经测试应用

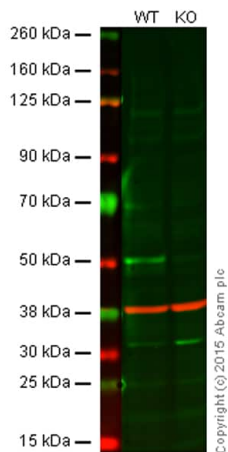
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/500. Detects a band of approximately 50 kDa (predicted molecular weight: 49 kDa). Detects bands of approximately 50 kDa (pro form) and 18 kDa (p18 cleaved form).

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



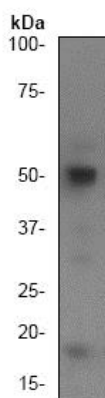
Western blot - Anti-Caspase-2 antibody [Y154]
(ab32021)

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.

ab32021 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. ab32021 and [ab8226](#) (loading control to beta actin) were diluted 1/50 and 1/1000 respectively 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 [Y154]
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Anti-Caspase-2 antibody [Y154] (ab32021) at 1/500 dilution + Jurkat (Human T cell leukemia cell line from peripheral blood) whole cell lysate

Predicted band size: 49 kDa

Observed band size: 50 kDa

Additional bands at: 18 kDa (possible cleavage fragment)

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 [Y154] (ab32021)

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

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