

Anti-Caspase-10/CASP-10 antibody [EPR10890] - BSA and Azide free ab249980

重组 RabMAb

5 图像

概述

产品名称	Anti-Caspase-10/CASP-10抗体[EPR10890] - BSA and Azide free
描述	兔单克隆抗体[EPR10890] to Caspase-10/CASP-10 - BSA and Azide free
宿主	Rabbit
经测试应用	适用于: Flow Cyt (Intra), IHC-P, IP, WB 不适用于: ICC/IF
种属反应性	与反应: Human
免疫原	Recombinant fragment within Human Caspase-10/CASP-10. The exact sequence is proprietary. Database link: Q92851
常规说明	<p>ab249980 is the carrier-free version of ab177475.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <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>

Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C. Do Not Freeze.
存储溶液	pH: 7.2 Constituent: PBS
无载体	是
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR10890
同种型	IgG

应用

The Abpromise guarantee **Abpromise™** 承诺保证使用 ab249980 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
Flow Cyt (Intra)		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
IP		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 58 kDa.

应用说明 Is unsuitable for ICC/IF.

靶标

功能	Involves in the activation cascade of caspases responsible for apoptosis execution. Recruited to both Fas- and TNFR-1 receptors in a FADD dependent manner. May participate in the granzyme B apoptotic pathways. Cleaves and activates caspase-3, -4, -6, -7, -8, and -9. Hydrolyzes the small- molecule substrates, Tyr-Val-Ala-Asp-AMC and Asp-Glu-Val-Asp-AMC. Isoform C is proteolytically inactive.
组织特异性	Detectable in most tissues. Lowest expression is seen in brain, kidney, prostate, testis and colon.
疾病相关	Defects in CASP10 are the cause of autoimmune lymphoproliferative syndrome type 2A

(ALPS2A) [MIM:603909]. ALPS2 is characterized by abnormal lymphocyte and dendritic cell homeostasis and immune regulatory defects.

Defects in CASP10 are a cause of familial non-Hodgkin lymphoma (NHL) [MIM:605027]. NHL is a cancer that starts in cells of the lymph system, which is part of the body's immune system. NHLs can occur at any age and are often marked by enlarged lymph nodes, fever and weight loss.

Defects in CASP10 are a cause of gastric cancer (GASC) [MIM:613659]. A malignant disease which starts in the stomach, can spread to the esophagus or the small intestine, and can extend through the stomach wall to nearby lymph nodes and organs. It also can metastasize to other parts of the body. The term gastric cancer or gastric carcinoma refers to adenocarcinoma of the stomach that accounts for most of all gastric malignant tumors. Two main histologic types are recognized, diffuse type and intestinal type carcinomas. Diffuse tumors are poorly differentiated infiltrating lesions resulting in thickening of the stomach. In contrast, intestinal tumors are usually exophytic, often ulcerating, and associated with intestinal metaplasia of the stomach, most often observed in sporadic disease.

序列相似性

Belongs to the peptidase C14A family.

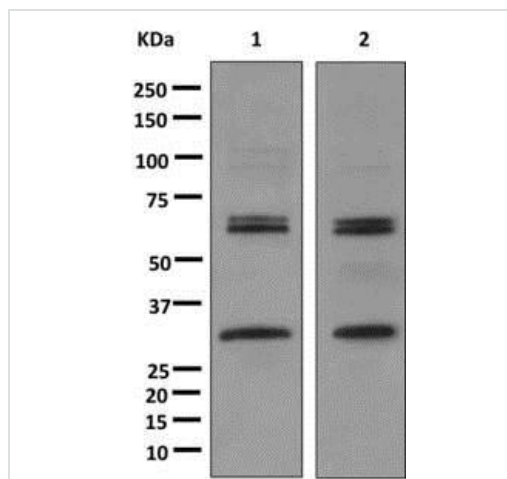
Contains 2 DED (death effector) domains.

翻译后修饰

Cleavage by granzyme B and autocatalytic activity generate the two active subunits.

Phosphorylated upon DNA damage, probably by ATM or ATR.

图片



Western blot - Anti-Caspase-10/CASP-10 antibody [EPR10890] - BSA and Azide free (ab249980)

All lanes : Anti-Caspase-10/CASP-10 antibody [EPR10890] ([ab177475](#)) at 1/1000 dilution

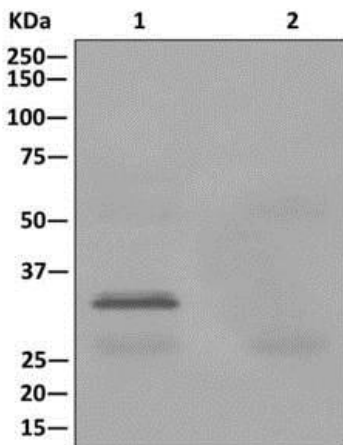
Lane 1 : K562 cell lysate

Lane 2 : Jurkat cell lysate

Lysates/proteins at 10 µg per lane.

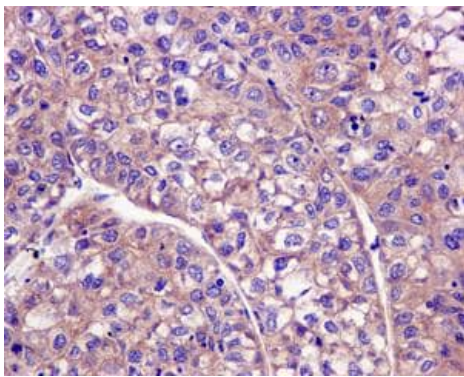
Predicted band size: 58 kDa

This data was developed using [ab177475](#), the same antibody clone in a different buffer formulation.



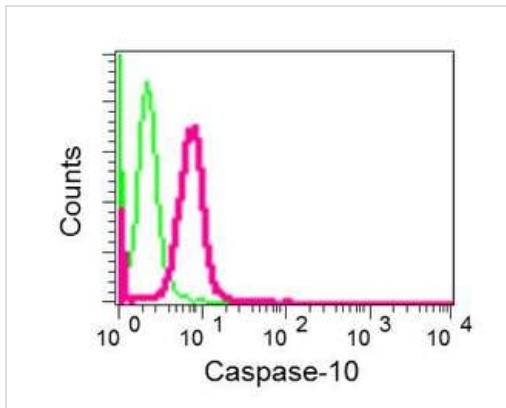
Immunoprecipitation - Anti-Caspase-10/CASP-10 antibody [EPR10890] - BSA and Azide free (ab249980)

This data was developed using **ab177475**, the same antibody clone in a different buffer formulation. Western blot analysis on immunoprecipitation pellet from (1) K562 cell lysate or (2) 1XPBS (negative control) using **ab177475** and HRP-conjugated anti-rabbit IgG preferentially detecting the non-reduced form of rabbit IgG.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Caspase-10/CASP-10 antibody [EPR10890] - BSA and Azide free (ab249980)

This data was developed using **ab177475**, the same antibody clone in a different buffer formulation. Immunohistochemical analysis of paraffin-embedded Human hepatocellular carcinoma tissue labeling Caspase-10/CASP-10 with **ab177475** at 1/50 dilution. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.







This data was developed using **ab177475**, the same antibody clone in a different buffer formulation.

Intracellular flow cytometric analysis of permeabilized K562 cells labeling Caspase 10/CASP-10 with **ab177475** at 1/100 dilution (red) compared to a rabbit IgG negative control (green).

Flow Cytometry (Intracellular) - Anti-Caspase-10/CASP-10 antibody [EPR10890] - BSA and Azide free (ab249980)

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

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

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