


Product datasheet

Anti-Smac/Diablo antibody [EPR10934] α b174284

Recombinant RabMAb

4 Images

Overview

Product name	Anti-Smac/Diablo antibody [EPR10934]
Description	Rabbit monoclonal [EPR10934] to Smac/Diablo
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB Unsuitable for: Flow Cyt, ICC/IF or IP
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Recombinant fragment within Human Smac/ Diablo. The exact sequence is proprietary. Database link: Q9NR28
Positive control	HeLa, MCF7, Jurkat, 293T and Human testis lysates; Human heart and testis tissue.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Tissue culture supernatant
Clonality	Monoclonal

Clone number EPR10934

Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab174284 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
WB		1/1000 - 1/5000. Predicted molecular weight: 27 kDa.

Application notes Is unsuitable for Flow Cyt, ICC/IF or IP.

Target

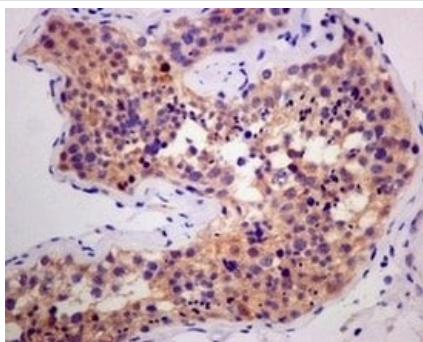
Function Promotes apoptosis by activating caspases in the cytochrome c/Apaf-1/caspase-9 pathway. Acts by opposing the inhibitory activity of inhibitor of apoptosis proteins (IAP).

Tissue specificity Ubiquitously expressed with highest expression in testis. Expression is also high in heart, liver, kidney, spleen, prostate and ovary. Low in brain, lung, thymus and peripheral blood leukocytes.

Domain The mature N-terminus mediates interaction with XIAP.

Cellular localization Mitochondrion. Released into the cytosol when cells undergo apoptosis.

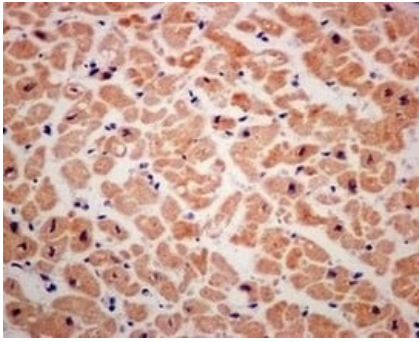
Images



Immunohistochemical analysis of paraffin embedded Human testis tissue labeling Smac / Diablo with ab174284 at 1/50.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

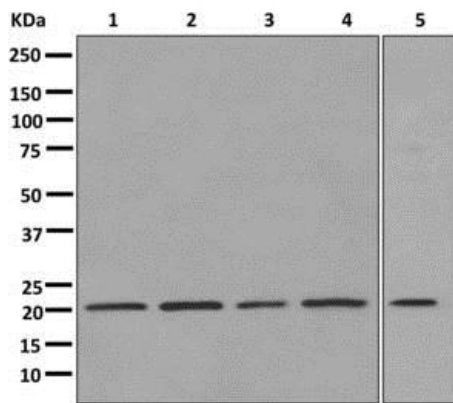
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Smac/Diablo antibody [EPR10934] (ab174284)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Smac/Diablo antibody [EPR10934] (ab174284)

Immunohistochemical analysis of paraffinn embedded Human heart tissue labeling Smac / Diablo with ab174284 at 1/50.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Western blot - Anti-Smac/Diablo antibody [EPR10934] (ab174284)

All lanes : Anti-Smac/Diablo antibody [EPR10934] (ab174284) at 1/1000 dilution

Lane 1 : HeLa cell line lysate

Lane 2 : MCF7 cell line lysate

Lane 3 : Jurkat cell line lysate

Lane 4 : 293T cell line lysate

Lane 5 : Human testis tissue lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat anti-rabbit HRP conjugated antibody at 1/500 dilution

Developed using the ECL technique.

Predicted band size: 27 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-Smac/Diablo antibody [EPR10934] (ab174284)

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

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