

Anti-Smac/Diablo antibody [Y12] ab32023

 **RabMAb**

★★★★★ **5 Abreviews** **22 References** **6 图像**

概述

产品名称	Anti-Smac/Diablo抗体[Y12]
描述	兔单克隆抗体[Y12] to Smac/Diablo
宿主	Rabbit
经测试应用	适用于: WB, IHC-P, IP, ICC/IF
种属反应性	与反应: Human 预测可用于: Mouse, Rat 
免疫原	Synthetic peptide within Human Smac/ Diablo (C terminal). The exact sequence is proprietary.
表位	ab32023 reacts with an epitope located in the C terminal region of Smac / Diablo.
阳性对照	WB: Jurkat whole cell lysate (ab7899). IHC-P: Human skin cancer tissue. ICC/IF: HeLa cells. IP: Jurkat.
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>

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	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

Y12

同种型

IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab32023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)	1/1000. Detects a band of approximately 21 kDa (predicted molecular weight: 27 kDa).
IHC-P		1/10. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
IP	★★★★★ (1)	1/10 - 1/80.
ICC/IF		1/500.

靶标

功能

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).

组织特异性

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.

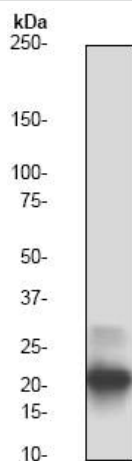
结构域

The mature N-terminus mediates interaction with XIAP.

细胞定位

Mitochondrion. Released into the cytosol when cells undergo apoptosis.

图片

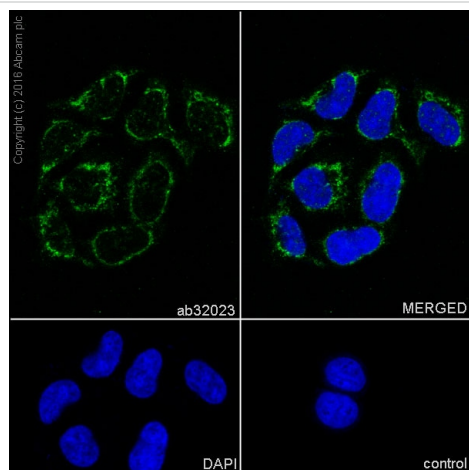


Western blot - Anti-Smac/Diablo antibody [Y12] (ab32023)

Anti-Smac/Diablo antibody [Y12] (ab32023) at 1/1000 dilution + Jurkat cell lysate

Predicted band size: 27 kDa

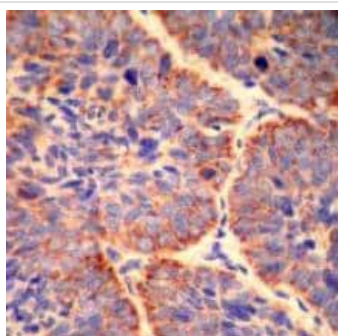
Observed band size: 21 kDa



Immunocytochemistry/ Immunofluorescence - Anti-Smac/Diablo antibody [Y12] (ab32023)

Immunocytochemistry/Immunofluorescence analysis of HeLa cells labelling Smac / Diablo with ab32023 at 1/500. Cells were fixed with 100% methanol. **ab150077**, an Alexa Fluor® 488-conjugated goat anti-rabbit IgG (1/1000) was used as the secondary antibody. Control: PBS only.

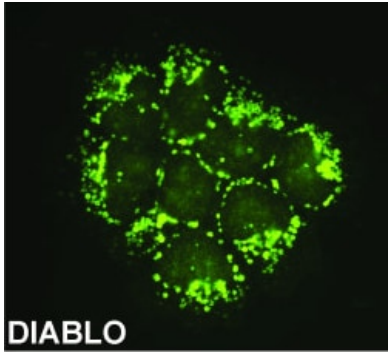
Nuclear counter stain: DAPI.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Smac/Diablo antibody [Y12] (ab32023)

ab32023, at a 1/10 dilution, staining human Smac/Diablo in skin cancer tissue by immunohistochemistry, paraffin-embedded tissue.

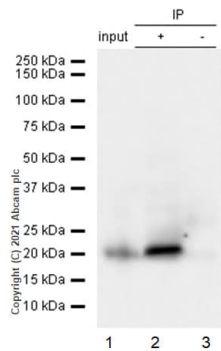
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-Smac/Diablo antibody [Y12] (ab32023)

Image from Lamers F et al., BMC Cancer. 2012 Jul 12;12:285. doi: 10.1186/1471-2407-12-285. Fig 3.; 12 July 2012, BMC Cancer 2012, 12:285

Immunofluorescence analysis of IMR32 cells, staining Smac / Diablo with ab32023. Cells were fixed with 4% paraformaldehyde before incubating with primary antibody. An Alexa Fluor[®] conjugated anti-rabbit IgG was used as the secondary antibody.



Immunoprecipitation - Anti-Smac/Diablo antibody [Y12] (ab32023)

Smac/Diablo was immunoprecipitated from 0.35 mg Jurkat (Human T cell leukemia T lymphocyte) whole cell lysate 10 µg with ab32023 at 1/50 dilution (2µg). VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)) was used at 1/5000 dilution.

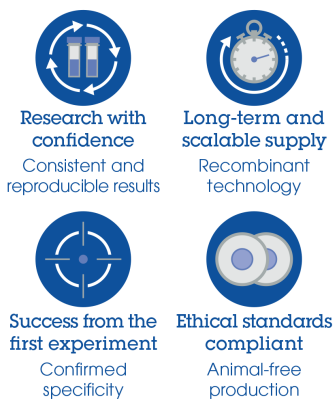
Lane 1: Jurkat (Human T cell leukemia T lymphocyte) whole cell lysate 10 µg

Lane 2: ab32023 IP in Jurkat whole cell lysate

Lane 3: Rabbit monoclonal IgG ([ab172730](#)) instead of ab32023 in Jurkat whole cell lysate

Blocking and dilution buffer and concentration: 5% NFDm/TBST.

Why choose a recombinant antibody?



Anti-Smac/Diablo antibody [Y12] (ab32023)

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