


### Anti-Smac/Diablo antibody [Y12] ab32023

リコンビナント **RabMAb**

★★★★☆ **5 Abreviews** **22 References** 画像数 6

#### 製品の概要

製品名	Anti-Smac/Diablo antibody [Y12]
製品の詳細	Rabbit monoclonal [Y12] to Smac/Diablo
由来種	Rabbit
アプリケーション	<b>適用あり:</b> WB, IHC-P, IP, ICC/IF
種交差性	<b>交差種:</b> Human <b>交差が予測される動物種:</b> Mouse, Rat 
免疫原	Synthetic peptide within Human Smac/ Diablo (C terminal). The exact sequence is proprietary.
エピトープ	ab32023 reacts with an epitope located in the C terminal region of Smac / Diablo.
ポジティブ・コントロール	WB: Jurkat whole cell lysate ( <a href="#">ab7899</a> ). IHC-P: Human skin cancer tissue. ICC/IF: HeLa cells. IP: Jurkat.
特記事項	<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>

#### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
バッファー	<p>pH: 7.20</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 49% PBS, 50% Glycerol (glycerin, glycerine), 0.05% BSA</p>
精製度	Protein A purified
ポリ/モノ	モノクローナル

クローン名	Y12
アイソタイプ	IgG

アプリケーション

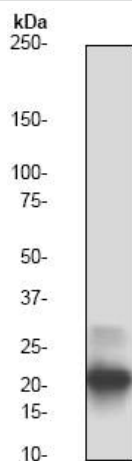
**The Abpromise guarantee**      **Abpromise保証は、**次のテスト済みアプリケーションにおけるab32023の使用に適用されます  
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
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.

ターゲット情報

機能	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).
組織特異性	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.
ドメイン	The mature N-terminus mediates interaction with XIAP.
細胞内局在	Mitochondrion. Released into the cytosol when cells undergo apoptosis.

画像

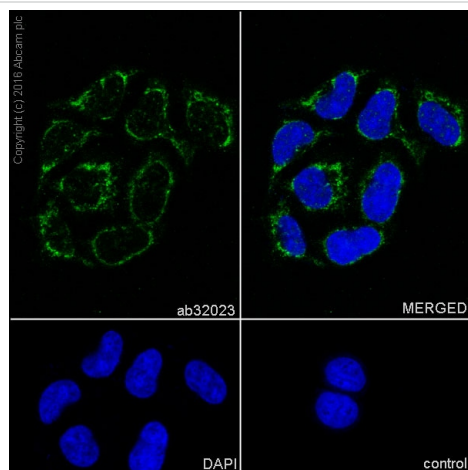


Western blot - Anti-Smac/Diablo antibody [Y12] (ab32023)

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

**Predicted band size:** 27 kDa

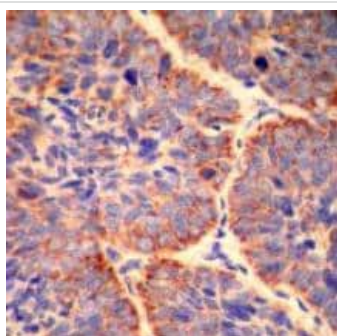
**Observed band size:** 21 kDa



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.

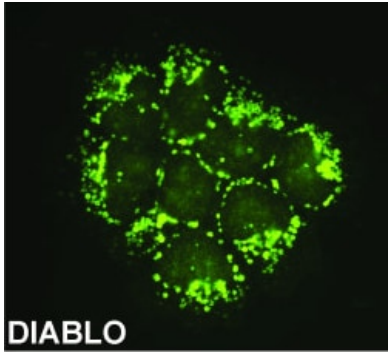
Nuclear counter stain: DAPI.



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.

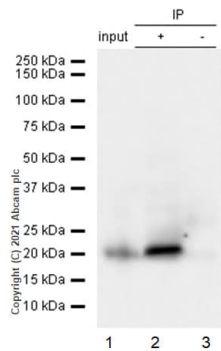
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



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<sup>®</sup> 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.

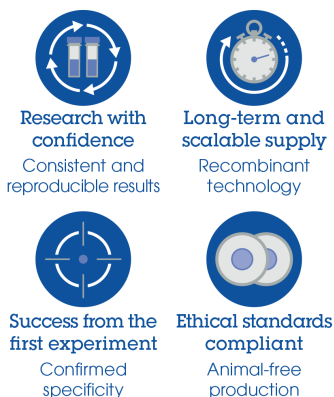
Lane 1: Jurkat (Human T cell leukemia T lymphocyte) whole cell lysate 10 µg

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)

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

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