**Product datasheet**

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

**Overview**

**Product name**  
Anti-Smac / Diablo antibody [Y12]

**Description**  
Rabbit monoclonal [Y12] to Smac / Diablo

**Host species**  
Rabbit

**Tested applications**  
Suitable for: WB, IHC-P, IP, Flow Cyt, ICC/IF

**Species reactivity**  
Reacts with: Mouse, Rat, Human

**Immunogen**  
Synthetic peptide within Human Smac/ Diablo (C terminal). The exact sequence is proprietary.

**Epitope**  
ab32023 reacts with an epitope located in the C terminal region of Smac / Diablo.

**Positive control**  

**General notes**  
Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

This product is a **recombinant rabbit monoclonal antibody**.

**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. Avoid freeze / thaw cycle.

**Storage buffer**  
pH: 7.20  
Preservative: 0.01% Sodium azide  
Constituents: 49% PBS, 50% Glycerol, 0.05% BSA

**Purity**  
Protein A purified

**Clonality**  
Monoclonal

**Clone number**  
Y12

**Isotype**  
IgG

**Applications**

Our Abpromise guarantee covers the use of **ab32023** in the following tested applications.
Function

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.

Application
<table>
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<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>WB</td>
<td>★★★★☆☆</td>
<td>1/1000. Detects a band of approximately 21 kDa (predicted molecular weight: 27 kDa).</td>
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<tr>
<td>IHC-P</td>
<td></td>
<td>Use at an assay dependent concentration.</td>
</tr>
<tr>
<td>IP</td>
<td>★★★★☆☆</td>
<td>1/10 - 1/80.</td>
</tr>
</tbody>
</table>
| Flow Cyt    | ★★★☆☆☆   | 1/10 - 1/50.  
ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody. |
| ICC/IF      |           | 1/500. |

Target

Images

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

Predicted band size: 27 kDa
Observed band size: 21 kDa

why is the actual band size different from the predicted?
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.

ab32023, at a 1/10 dilution, staining human Smac/Diablo in skin cancer tissue by Immunohistochemistry, Paraffin embedded tissue
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.

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

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- Response to your inquiry within 24 hours
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- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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