

Datasheet for ABIN500784

anti-DIABLO antibody (C-Term)



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2 Images

Overview

Quantity:	0.1 mg
Target:	DIABLO
Binding Specificity:	AA 222-237, C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DIABLO antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Smac antibody was raised against a peptide corresponding to amino acids 222 to 237 of murine Smac/DIABLO.
Isotype:	IgG
Specificity:	This antibody detects DIABLO / SMAC at C-term.
Cross-Reactivity (Details):	Species reactivity (tested): Human, mouse, rat
Purification:	Peptide affinity chromatography

Target Details

Target:	DIABLO
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Target Details

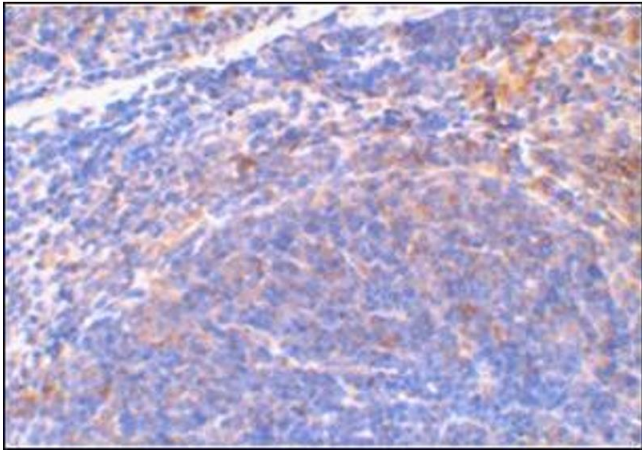
Alternative Name:	DIABLO / SMAC (DIABLO Products)
Background:	<p>The inhibitor of apoptosis proteins (IAPs) regulate programmed cell death by inhibiting members of the caspase family of enzymes. A novel mammalian protein that binds to IAPs and neutralizes the inhibitory effect of IAPs on caspases was recently identified and designated Smac/DIABLO (1,2). Smac/DIABLO is a mitochondrial protein that is released along with cytochrome c during apoptosis and activates cytochrome c/Apaf-1/caspase-9 pathway. Analysis of the structural basis of Smac/DIABLO reveals that the N-terminal amino acids are required for binding of Smac/DIABLO to IAPs and activation of caspases (3-6). Smac/DIABLO is expressed in a variety of human and mouse tissues (1,2). Synonyms: Diablo homolog mitochondrial, Direct IAP-binding protein with low pI, Second mitochondria-derived activator of caspase</p>
Gene ID:	66593
UniProt:	Q9JIQ3
Pathways:	Apoptosis , Caspase Cascade in Apoptosis , Positive Regulation of Endopeptidase Activity

Application Details

Application Notes:	<p>ELISA. Western blot: 0.5 to 1 µg/mL, 25 kDa band can be detected. Immunohistochemistry on paraffin sections.</p> <p>Other applications not tested.</p> <p>Optimal dilutions are dependent on conditions and should be determined by the user.</p>
Restrictions:	For Research Use only

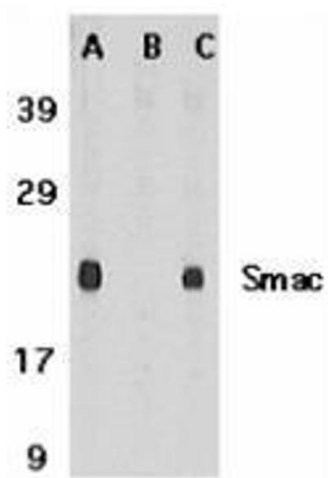
Handling

Buffer:	PBS containing 0.02 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemical staining of mouse spleen tissue using AP30815PU-N at 2 µg/ml.



Western Blotting

Image 2. Western blot analysis of Smac in mouse heart tissue lysate in the absence (A) or presence (B) of blocking peptide and in rat heart tissue lysate with this product at 1 µg/ml.