

Rabbit DIABLO Polyclonal Antibody | anti-DIABLO antibody

DIABLO Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326766	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

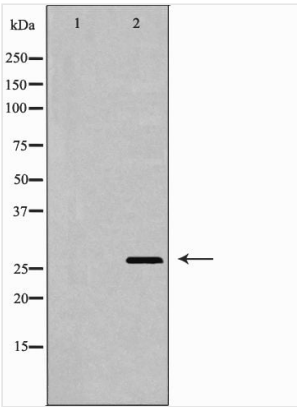
PRODUCT SYNONYMS

DIABLO; Polyclonal Antibody; DIABLO Antibody; 0610041G12Rik; DBLOH_HUMAN; DBOH; DFNA64; diablo; Diablo homolog (Drosophila); Diablo homolog; Diablo homolog mitochondrial; Diablo IAP binding mitochondrial protein; Diablo like protein; DIABLO S; Direct IAP binding protein with low pI; Direct IAP-binding protein with low pI; FLJ10537; FLJ25049; mitochondrial; Mitochondrial Smac protein; Second mitochondria derived activator of caspase; Second mitochondria-derived activator of caspase; SMAC 3; Smac; Smac protein; SMAC3; anti-DIABLO antibody

PRODUCT SPECIFICATIONS

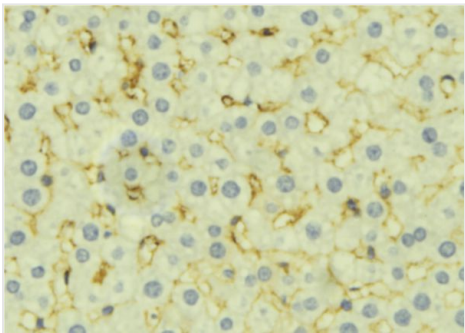
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	DIABLO antibody detects endogenous levels of total DIABLO
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	142
Applicable Applications for anti-DIABLO antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human DIABLO
Subcellular Location	Mitochondrion. Released into the cytosol when cells undergo apoptosis.
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. Isoform 3 is ubiquitously expressed.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of Mouse heart lysate, using DIABLO Antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA326766 at 1/100 staining Mouse liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-DIABLO antibody

Description: This gene encodes an inhibitor of apoptosis protein (IAP)-binding protein. The encoded mitochondrial protein enters the cytosol when cells undergo apoptosis, and allows activation of caspases by binding to inhibitor of apoptosis proteins. Overexpression of the encoded protein sensitizes tumor cells to apoptosis. A mutation in this gene is associated with young-adult onset of nonsyndromic deafness-64. Alternative splicing results in multiple transcript variants encoding different isoforms.

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). Inhibits the activity of BIRC6/bruce by inhibiting its binding to caspases. Isoform 3 attenuates the stability and apoptosis-inhibiting activity of XIAP/BIRC4 by promoting XIAP/BIRC4 ubiquitination and degradation through the ubiquitin-proteasome pathway. Isoform 3 also disrupts XIAP/BIRC4 interacting with processed caspase-9 and promotes caspase-3 activation. Isoform 1 is defective in the capacity to down-regulate the XIAP/BIRC4 abundance.

Subunit Structure: Homodimer. Interacts with BEX3 (By similarity). Interacts with BIRC2/c-IAP1, BIRC3/c-IAP2, XIAP/BIRC4, BIRC6/bruce and BIRC7/livin. Interacts with the monomeric and dimeric form of BIRC5/survivin.

Post-translational Modifications: Ubiquitinated by BIRC7/livin.

Similarity: The mature N-terminus mediates interaction with XIAP/BIRC4.

NCBI AND UNIPROT INFORMATION

NCBI GI #	508083041
NCBI GeneID	56616
NCBI Accession #	NP_001265231.1
NCBI GenBank Nucleotide #	NM_001278302.1
UniProt Accession #	Q9NR28; Q6W3F3; Q96LV0; Q9BT11; Q9HAV6; B2RDQ0
Molecular Weight	Observed: 27 kDa Predicted: 28 kDa
NCBI Official Full Name	diablo homolog, mitochondrial isoform 4
NCBI Official Synonym Full Names	diablo IAP-binding mitochondrial protein
NCBI Official Symbol	DIABLO
NCBI Official Synonym Symbols	SMAC; DFNA64
NCBI Protein Information	diablo homolog, mitochondrial
UniProt Protein Name	Diablo homolog, mitochondrial

UniProt Gene Name	DIABLO
UniProt Synonym Gene Names	SMAC; Smac

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/diablo-antibody-immunohistochemistry-western-blot-elisa/326766>