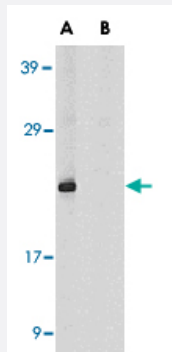


DIABLO polyclonal antibody

Catalog # PAB13089

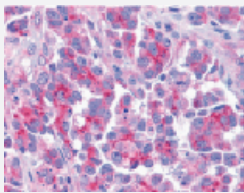
Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot analysis of DIABLO in human heart tissue lysate in the absence (A) or presence (B) of blocking peptide with DIABLO polyclonal antibody (Cat # PAB13089) at 1 ug /mL .



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry of DIABLO in human ovary tissue with DIABLO polyclonal antibody (Cat # PAB13089) at 5 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of DIABLO.
Immunogen	A synthetic peptide corresponding to amino acids 225-239 of human DIABLO.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	human heart tissue lysate can be used as positive control and a 25 KDa band can be detected.
Form	Liquid

Recommend Usage	Western Blot (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

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Gene Info — DIABLO

Entrez GeneID	56616
Protein Accession#	AAF87716
Gene Name	DIABLO
Gene Alias	DIABLO-S, FLJ10537, FLJ25049, SMAC, SMAC3
Gene Description	diablo homolog (Drosophila)
Omim ID	605219
Gene Ontology	Hyperlink
Gene Summary	This gene encodes an inhibitor of apoptosis protein (IAP)-binding protein. The encoded mitochondrial protein enters the cytosol when cells undergo apoptosis, and it moderates the caspase inhibition of IAPs. Multiple polyadenylation sites have been found for this gene. Four alternatively spliced transcript variants have been described for this gene, with two of them encoding different isoforms and the other two probably not encoding a protein. [provided by RefSeq]
Other Designations	0610041G12Rik diablo direct IAP-binding protein with low pI mitochondrial Smac protein second mitochondria-derived activator of caspase

Publication Reference

- [Molecular determinants of the caspase-promoting activity of Smac/DIABLO and its role in the death receptor pathway.](#)

Srinivasula SM, Datta P, Fan XJ, Fernandes-Alnemri T, Huang Z, Alnemri ES.

The Journal of Biological Chemistry 2000 Nov; 275(46):36152.

- [Structural and biochemical basis of apoptotic activation by Smac/DIABLO.](#)

Chai J, Du C, Wu JW, Kyin S, Wang X, Shi Y.

Nature 2000 Aug; 406(6798):855.

- [Smac, a mitochondrial protein that promotes cytochrome c-dependent caspase activation by eliminating IAP inhibition.](#)

Du C, Fang M, Li Y, Li L, Wang X.

Cell 2000 Jul; 102(1):33.

Application: IF, WB-Ce, Human, HeLa cells

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)