

Smac/Diablo Antibody
Rabbit mAb
Catalog # AP90708

Specification

Smac/Diablo Antibody - Product Information

Application	WB, IHC, FC, ICC, IP
Primary Accession	O9NR28
Reactivity	Rat
Clonality	Monoclonal
Other Names	
SMAC; DFNA64; DIABLO; SMAC3;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	27131 Da

Smac/Diablo Antibody - Additional Information

Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Smac/Diablo
Description	Smac/Diablo is a 21 kDa mammalian mitochondrial protein that functions as a regulatory component during apoptosis. Upon mitochondrial stress, Smac/Diablo is released from mitochondria and competes with caspases for binding of IAPs (inhibitor of apoptosis proteins). The interaction of Smac/Diablo with IAPs relieves the inhibitory effect of the IAPs on caspases.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Smac/Diablo Antibody - Protein Information

Name DIABLO ([HGNC:21528](#))

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 (PubMed:[15200957](http://www.uniprot.org/citations/15200957), PubMed:[36758104](http://www.uniprot.org/citations/36758104), PubMed:[36758105](http://www.uniprot.org/citations/36758105), PubMed:[36758106](http://www.uniprot.org/citations/36758106)).

Cellular Location

Mitochondrion. Cytoplasm, cytosol Note=Released into the cytosol in a PARL-dependent manner when cells undergo apoptosis.

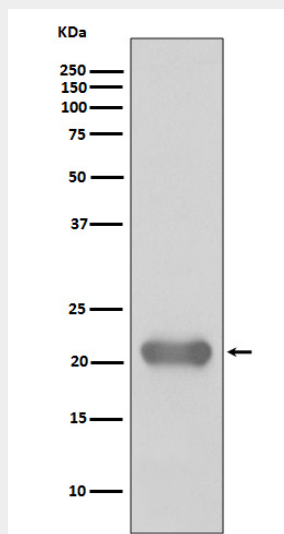
Tissue Location

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

Smac/Diablo Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Smac/Diablo Antibody - Images

Western blot analysis of Smac/Diablo expression in Jurkat cell lysate.