Smac/DIABLO Blocking Peptide
Catalog # PBV10125b

Specification

Smac/DIABLO Blocking Peptide - Product Information

Primary Accession	Q9JIQ3
Gene ID	66593
Calculated MW	26820

Smac/DIABLO Blocking Peptide - Additional Information

Gene ID 66593

Application & Usage	**The peptide is used for blocking the antibody activity of Anti-Smac/Diablo. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30-60 minutes at 37°C.**

Other Names
Diablo homolog, mitochondrial, Direct IAP-binding protein with low pI, Second mitochondria-derived activator of caspase, Smac, Diablo, Smac

Target/Specificity
Smac/DIABLO

Formulation
50 µg (0.5 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA and 0.02% thimerosal.

Reconstitution & Storage
-20 °C

Background Descriptions

Precautions
Smac/DIABLO Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

Smac/DIABLO Blocking Peptide - Protein Information

Name Diablo {ECO:0000312|MGI:MGI:1913843}

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 (By similarity).

Cellular Location

Mitochondrion. Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q9NR28}. Note=Released into the cytosol in a PARL-dependent manner when cells undergo apoptosis {ECO:0000250|UniProtKB:Q9NR28}

Tissue Location

Highest expression found in heart, liver, kidney and testis.

Smac/DIABLO Blocking Peptide - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Smac/DIABLO Blocking Peptide - Images