

Smac/DIABLO Polyclonal Antibody

CATALOG #:	3298-100
AMOUNT:	100 µg
LOT #:	_____
HOST:	Rabbit
IMMUNOGEN:	Synthetic peptide surrounding amino acid 220 of mouse Smac/DIABLO (Internal ID# BV-D69G)
SPECIES REACTIVITY:	human, mouse, rat, drosophila

FORMULATION:

100 µg (0.5 mg/ml) peptide affinity purified rabbit anti-Smac/DIABLO polyclonal antibody in PBS (pH 7.2) containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

STORAGE CONDITIONS:

Store at -20°C. For long-term storage, aliquot and freeze at -70°C. Avoid repeated freeze/defrost cycles.

BACKGROUND:

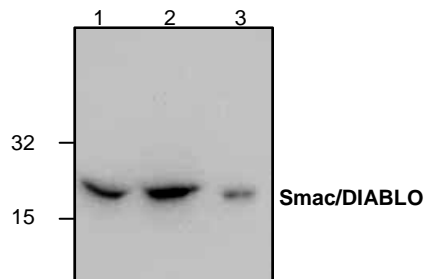
Smac/DIABLO is a mitochondrial protein that is released along with cytochrome c during apoptosis and activates cytochrome c/Apaf-1/caspase-9 pathway. Smac/DIABLO binds to IAPs (Inhibitor of Apoptosis Proteins) and neutralizes the inhibitory effect of IAPs. Analysis of the structural basis of Smac/DIABLO has revealed that the N-terminal amino acids are required for Smac/DIABLO to bind to IAPs and activation of caspases.

SPECIFICITY:

The immunopurified antibody detects the 25 kDa Smac/DIABLO in samples from human, mouse, and rat origins.

APPLICATION AND USAGE:

The antibody can be used for Western blotting (0.5-4 µg/ml) and Immunohistochemistry (5-20 µg/ml). However, the optimal conditions should be determined individually. Blocking peptide (Cat.# 3298BP-50) is available separately.



Cat. #: 3298-100
Western blot analysis of Smac/DIABLO using Rat kidney tissue lysate (Lane 1), 3T3 cell lysate (Lane 2) and Jurkat cell lysate (Lane 3).

RELATED PRODUCTS:

Apoptosis Detection Kits & Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

Cell Proliferation & Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

Cell Damage & Repair

- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

Signal Transduction

- cAMP & cGMP Assay Kits
- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

Adipocyte & Lipid Transfer

- Recombinant Adiponectin, Survivin, & Leptin
- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
- Total Cholesterol Quantification Kit

Molecular Biology & Reporter Assays

- siRNA Vectors
- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β-Galactosidase Staining Kit & Luciferase Reporter Assay Kit

Growth Factors and Cytokines

Monoclonal and Polyclonal Antibodies