

Product Datasheet

Smac/Diablo Antibody

Catalog No: CY5705

Reactivity: Human Mouse Rat

Isotype: Rabbit IgG

Applications: WB IHC ICC/IF IP FC



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Information

UniProt ID: Q9NR28

All Names: SMAC; DFNA64; DIABLO; SMAC3;

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 21 kDa

Application

WB: 1:1000~1:5000

IHC: 1:50~1:200

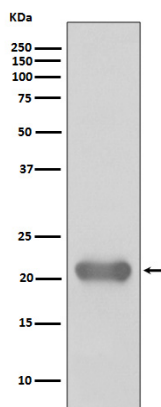
ICC/IF: 1:100~1:500

IP: 1:50

FC: 1:50

Background

Smac/Diablo is a 21 kDa mammalian mitochondrial protein that functions as a regulatory component during apoptosis (1,2). Upon mitochondrial stress, Smac/Diablo is released from mitochondria and competes with caspases for binding of IAPs (inhibitor of apoptosis proteins) (1,2). The interaction of Smac/Diablo with IAPs relieves the inhibitory effect of the IAPs on caspases (3,4). This interaction involves mainly the amino-terminal residues of Smac/Diablo with the BIR3 region of XIAP, supplemented with several other hydrophobic interactions between the helical structures of Smac/Diablo and other areas of BIR3 (5,6).



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

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