

Recombinant Smac/Diablo Monoclonal Antibody

catalog number: **AN301658L**

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

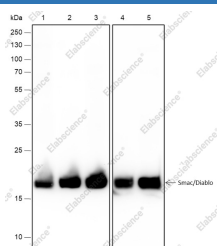
Reactivity	Human;Mouse;Rat
Immunogen	Recombinant human Smac/Diablo fragment
Host	Rabbit
Isotype	Rabbit IgG
Clone	C111281
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

Recommended Dilution

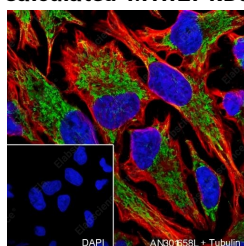
WB	1:500-1:2000
IHC	1:50-1:100
IF	1:500-1:1000
FCM	1:50-1:100
IP	1:25-1:100

Data

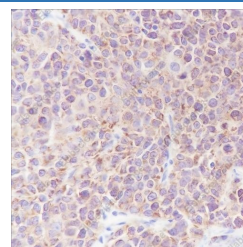


Western Blot with Smac/Diablo Monoclonal Antibody at dilution of 1:2000. Lane 1: Jurkat, Lane 2: MCF-7, Lane 3: HepG2, Lane 4: C2C12, Lane 5: C6

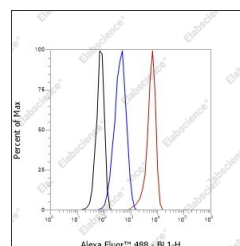
Observed-MW:21 kDa
Calculated-MW:27 kDa



Immunofluorescent analysis of (4% Paraformaldehyde) fixed HeLa cells using anti-Smac/Diablo Monoclonal Antibody at dilution of 1:1000.



Immunohistochemistry of paraffin-embedded Human lung squamous carcinoma using Smac/Diablo Monoclonal Antibody at dilution of 1:2000.



Flow cytometric analysis of human Smac/Diablo expression on Jurkat cells. Cells were stained with purified anti-Human Smac/Diablo, then a Alexa Fluor 488-conjugated second step antibody. The histogram were derived from events with the forward and side light-scatter characteristics of intact cells.

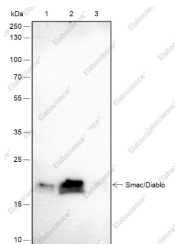
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Rev. V1.2



Immunoprecipitation analysis using anti-Smac/Diablo Monoclonal Antibody. Western blot was performed from the immunoprecipitate using Smac/Diablo Monoclonal Antibody at a dilution of 1:100. Lane 1: 5% Input, Lane 2:

Smac/Diablo Monoclonal Antibody, Lane 3: Rabbit

monoclonal IgG Isotype

Observed-MW:21 kDa

Calculated-MW:27 kDa

Preparation & Storage

Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping Ice bag

Background

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. Isoform 3 attenuates the stability and apoptosis-inhibiting activity of XIAP/BIRC4 by promoting XIAP/BIRC4 ubiquitination and degradation through the ubiquitin-proteasome pathway. Isoform 3 also disrupts XIAP/BIRC4 interacting with processed caspase-9 and promotes caspase-3 activation. Isoform 1 is defective in the capacity to down-regulate the XIAP/BIRC4 abundance.

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