

SMAC Rabbit mAb

Catalog No: #52583

Package Size: #52583-1 50ul #52583-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

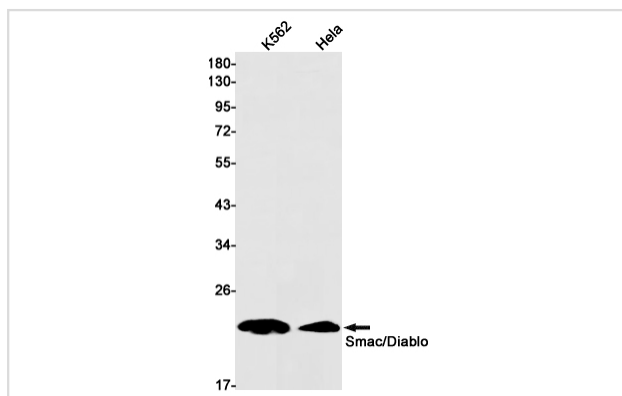
Description

Product Name	SMAC Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S08-6A3
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB IHC IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	A synthetic peptide of human Smac/Diablo
Conjugates	Unconjugated
Modification	Unmodification
Other Names	SMAC; DFNA64; DIABLO; SMAC3;
Accession No.	Swiss-Prot:Q9NR28GeneID:56616
Uniprot	Q9NR28
GeneID	56616
Calculated MW	Calculated MW: 27 kDa; Observed MW: 21 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

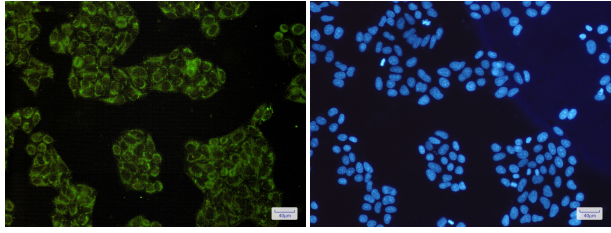
Application Details

WB: 1/1000; IHC: 1/20-1/100; ICC/IF: 1/100;

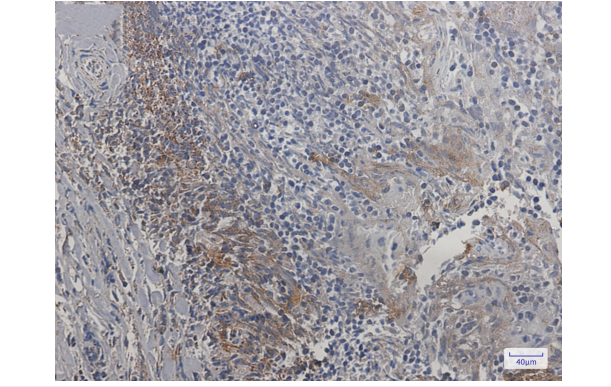
Images



Western blot detection of Smac/Diablo in K562, HeLa cell lysates using Smac/Diablo Rabbit mAb(1:1000 diluted). Predicted band size: 27kDa. Observed band size: 21kDa.



Immunocytochemistry of Smac/Diablo(green) in HeLa cells using Smac/Diablo Rabbit mAb at dilution 1/200, and DAPI(blue)



Immunohistochemistry of Smac/Diablo in paraffin-embedded Human tonsil using Smac/Diablo Rabbit mAb at dilution 1/5

Background

Swiss-Prot Acc.Q9NR28.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.

Note: This product is for in vitro research use only