

## Anti-SMAC Rabbit mAb

Purified Rabbit Monoclonal Antibody

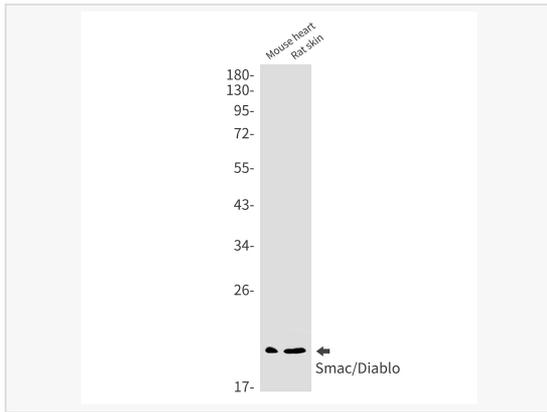
Catalog # R010326

### Product Information

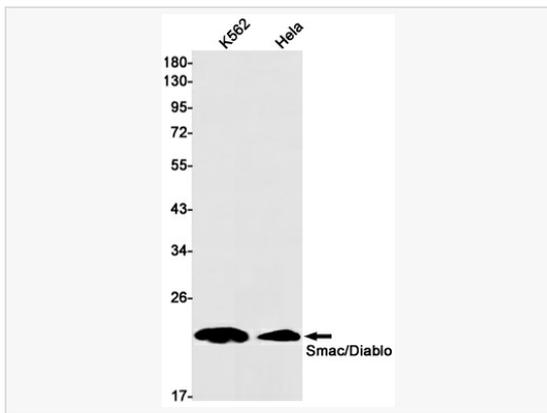
Application	WB, IHC-F/IF (Tissue-F), IHC-P/IF (Tissue-P), ICC/IF (Cell), IP, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:1,000; IHC-P 1:50~1:100; IF 1:50~1:200; IP 1:20
Host	Rabbit
Clonality	Monoclonal
Clone No.	20K54L17
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic peptide of human Smac/Diablo
Format	Buffer System: 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA Purification: Affinity Purified.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-SMAC antibody [20K54L17] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

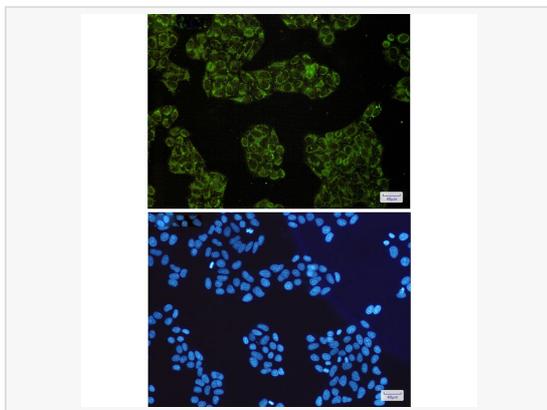
Synonyms	SMAC, DFNA64, DIABLO, SMAC3.
Calculated MW	Calculated MW: 27 kDa; Observed MW: 21 kDa
Uniprot ID	Q9NR28
Gene ID	56616
Background	Smac/Diablo is a 21 kDa mammalian mitochondrial protein that functions as a regulatory component during apoptosis. Upon mitochondrial stress, Smac/Diablo is released from mitochondria and competes with caspases for binding of IAPs (inhibitor of apoptosis proteins). The interaction of Smac/Diablo with IAPs relieves the inhibitory effect of the IAPs on caspases.



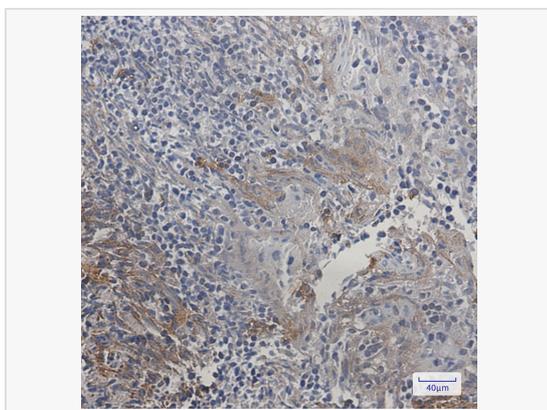
Western blot analysis of Smac/Diablo in mouse heart, rat skin lysates using SMAC antibody.



Western blot analysis of Smac/Diablo in K562, HeLa lysates using Smac/Diablo antibody.



Immunocytochemistry analysis of Smac/Diablo (green) in HeLa using Smac/Diablo antibody and DAPI (blue)



Immunohistochemistry analysis of paraffin-embedded Human tonsil using Smac/Diablo antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.