

## Summary

<b>Production Name</b>	SMAC Rabbit Monoclonal Antibody
<b>Description</b>	Rabbit Monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC-F,IHC-P,ICC/IF,IP
<b>Reactivity</b>	Human,Mouse,Rat

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
<b>Purification</b>	Affinity Purification

## Immunogen

<b>Gene Name</b>	DIABLO
<b>Alternative Names</b>	SMAC; DFNA64; DIABLO; SMAC3
<b>Gene ID</b>	56616
<b>SwissProt ID</b>	Q9NR28.

## Application

<b>Dilution Ratio</b>	WB: 1:500-1:1000 IHC: 1:50-1:100 IF: 1:50-1:200 IP: 1:20
<b>Molecular Weight</b>	Calculated MW: 27 kDa; Observed MW: 21 kDa

## Background

**Product Name: SMAC Rabbit Monoclonal Antibody**  
**Catalog #: AMRe02612**

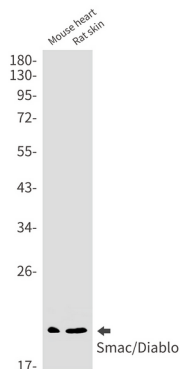


Smac/Diablo is a 21 kDa mammalian mitochondrial protein that functions as a regulatory component during apoptosis. Upon mitochondrial stress, Smac/Diablo is released from mitochondria and competes with caspases for binding of IAPs (inhibitor of apoptosis proteins). The interaction of Smac/Diablo with IAPs relieves the inhibitory effect of the IAPs on caspases.

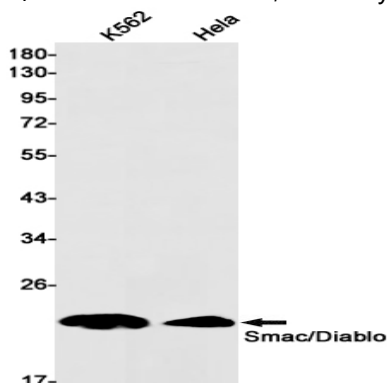
## Research Area

Cell Biology

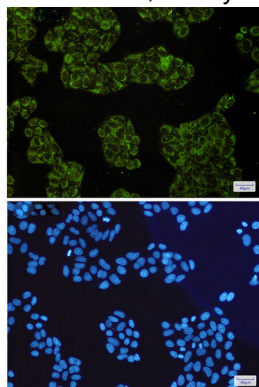
## Image Data



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



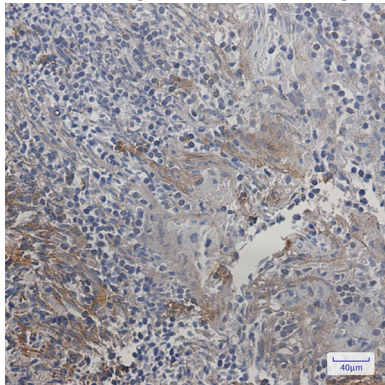
Western blot analysis of Smac/Diablo in K562, HeLa lysates using Smac/Diablo antibody.



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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.

## **Note**

For research use only.