

## Smac Antibody

Catalog No: #24134

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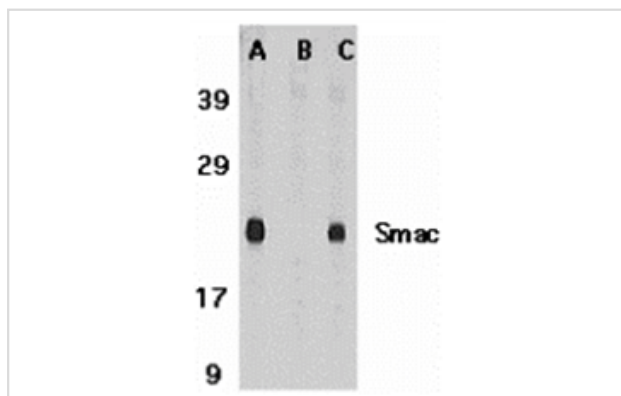
## Description

Product Name	Smac Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	E WB IHC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against a peptide corresponding to amino acids 222 to 237 of murine Smac/DIABLO.
Target Name	Smac
Other Names	DIABLO, mSmac
Accession No.	AF203914
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

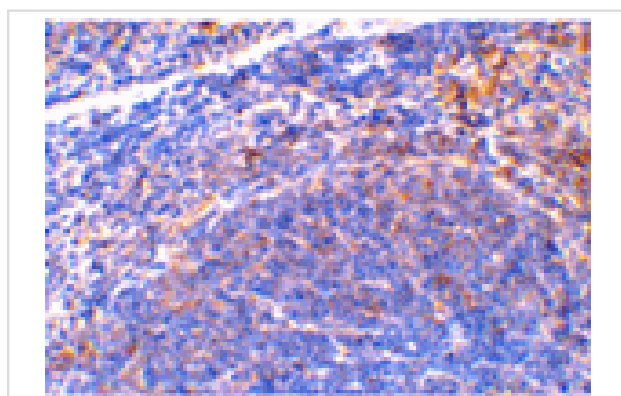
## Application Details

Predicted MW: 25 kd

## Images



Western blot analysis of Smac in mouse heart tissue lysate in the absence (A) or presence (B) of blocking peptide and in rat heart tissue lysate with Smac antibody at 1 ug /ml.



Immunohistochemical staining of mouse spleen tissue using Smac antibody at 2 ug/mL.

## Background

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The inhibitor of apoptosis proteins (IAPs) regulate programmed cell death by inhibiting members of the caspase family of enzymes. A novel mammalian protein that binds to IAPs and neutralizes the inhibitory effect of IAPs on caspases was recently identified and designated Smac/DIABLO. Smac/DIABLO is a mitochondrial protein that is released along with cytochrome c during apoptosis and activates cytochrome c/Apaf-1/caspase-9 pathway. Analysis of the structural basis of Smac/DIABLO reveals that the N-terminal amino acids are required for binding of Smac/DIABLO to IAPs and activation of caspases. Smac/DIABLO is expressed in a variety of human and mouse tissues.

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.