Anti-Smac (mouse CT) Antibody

ORDERING INFORMATION

Catalog No.: 1411
Size: 100ug IgG in PBS, pH 7.4, purified by immunoaffinity chromatography.

BACKGROUND

Inhibitors 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 has been identified and designated Smac/DIABLO. Smac is a mitochondrial protein that is released along with cytochrome c during apoptosis and activates the cytochrome c/Apaf-1/caspase-9 pathway. The N-terminal amino acids of Smac are required for binding to IAPs and for activation of caspases. Smac is expressed in a variety of human and mouse tissues.

SPECIFICATION SUMMARY

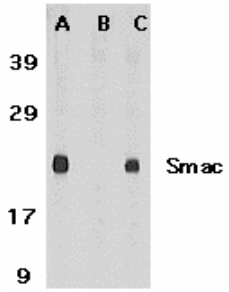
Antigen: Synthetic peptide corresponding to aa 222-237 of mouse Smac (accession no. AF203914).
Host Species: Rabbit
Stabilizers: None
Preservatives: 0.02% sodium azide.

SPECIFICITY

This antibody recognizes human, mouse, and rat Smac (25kDa).

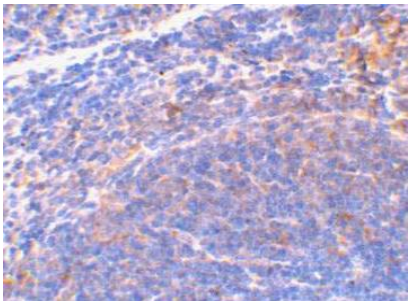
APPLICATIONS

Immunoblotting: use at 1ug/ml.



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 mSmac antibody at 1µg /ml.

Positive control: Mouse heart tissue lysate.
Immunohistochemistry: use at 2ug/ml.



Immunohistochemical staining of mouse spleen using mSmac antibody at 2µg/ml.

These are recommended concentrations. Enduser should determine optimal concentrations for their applications.

DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Avoid multiple freeze-thaw cycles.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.

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