

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human SMAC in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human SMAC Ala56-Asp239 Accession # Q9NR28
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	Recombinant Human SMAC/Diablo (Catalog # 789-SM)

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

SMAC (second mitochondria derived activator of caspase)/Diablo promotes caspase activation by interacting with the inhibitor of apoptosis (IAP) proteins in the cytochrome c/Apaf-1/caspase-9 pathway.

References:

1. Du, C. *et al.* (2000) *Cell* **102**:33.
2. Chai, J. *et al.* (2000) *Nature* **406**:855.
3. Srinivasula, S. *et al.* (2000) *J. Biol. Chem.* **275**:36152.
4. Ekert, P. *et al.* (2001) *J. Cell Biol.* **152**:483.
5. Verhagen, A. (2000) *Cell* **102**:43.