

**SMAC Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP6820b****Specification**

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**SMAC Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [Q9NR28](#)**SMAC Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 56616**Other Names**

Diablo homolog, mitochondrial, Direct IAP-binding protein with low pI, Second mitochondria-derived activator of caspase, Smac, DIABLO, SMAC

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP6820b](/products/AP6820b) was selected from the C-term region of human SMAC. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**SMAC Antibody (C-term) Blocking Peptide - Protein Information****Name** DIABLO ([HGNC:21528](#))**Function**

Promotes apoptosis by activating caspases in the cytochrome c/Apaf-1/caspase-9 pathway. Acts by opposing the inhibitory activity of inhibitor of apoptosis proteins (IAP). Inhibits the activity of BIRC6/bruce by inhibiting its binding to caspases.

**Cellular Location**

Mitochondrion. Cytoplasm, cytosol Note=Released into the cytosol in a PARL-dependent manner when cells undergo apoptosis.

**Tissue Location**

Ubiquitously expressed with highest expression in testis. Expression is also high in heart, liver, kidney, spleen, prostate and ovary. Low in brain, lung, thymus and peripheral blood leukocytes.

Isoform 3 is ubiquitously expressed

### **SMAC Antibody (C-term) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

### **SMAC Antibody (C-term) Blocking Peptide - Images**

### **SMAC Antibody (C-term) Blocking Peptide - Background**

SMAC is an inhibitor of apoptosis protein (IAP)-binding protein. This mitochondrial protein enters the cytosol when cells undergo apoptosis, and it moderates the caspase inhibition of IAPs.

### **SMAC Antibody (C-term) Blocking Peptide - References**

Carbone,A., et.al., Genes Chromosomes Cancer 47 (12), 1067-1075 (2008)