

## Rabbit SMAC/Diablo Polyclonal Antibody | anti-DIABLO antibody

Polyclonal Antibody to SMAC/Diablo

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                            |
|-----------|--------|-------------------|---------------------------------------------------------|
| AAA78356  | Rabbit | Rat, Mouse, Human | Western Blot, Immunohistochemistry, Immunoprecipitation |

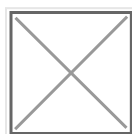
### PRODUCT SYNONYMS

SMAC/Diablo; Polyclonal Antibody; Polyclonal Antibody to SMAC/Diablo; DIABLO; SMAC; Direct IAP-binding protein with low pI; Smac; Second mitochondria-derived activator of caspase; Antibody to SMAC/Diablo; Anti-SMAC/Diablo Antibody; SMAC/Diablo Antibody; anti-DIABLO antibody

### PRODUCT SPECIFICATIONS

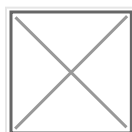
|                                                  |                                                                                                                                                   |
|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                            |
| Reactivity                                       | Rat, Mouse, Human                                                                                                                                 |
| Clonality                                        | Polyclonal                                                                                                                                        |
| Isotype                                          | IgG                                                                                                                                               |
| Purity/Purification                              | Serum                                                                                                                                             |
| Form/Format                                      | 50 ul sera                                                                                                                                        |
| Sequence Length                                  | 239                                                                                                                                               |
| Applicable Applications for anti-DIABLO antibody | WB (Western Blot), IHC (Immunohistochemistry), IP (Immunoprecipitation)                                                                           |
| Immunogen Information                            | A full-length recombinant protein of human SMAC was used as immunogen for this antibody                                                           |
| Antigen                                          | SMAC/Diablo                                                                                                                                       |
| Preparation and Storage                          | Store the antibody at 4 degree C, stable for 6 months.<br>For long-term storage, store at -20 degree C.<br>Avoid repeated freeze and thaw cycles. |

### IMAGES



#### IHC (Immunohistochemistry)

Fig: 3 Formalin-fixed, paraffin-embedded human colon stained for Smac/DIABLO using at 1: 2000. A, normal colon. B and C, colon carcinoma. Only trace Smac/DIABLO immunoreactivity is seen in normal colonic epithelium (A), which is seen in the apical, foveolar cells. In contrast, strong immunoreactivity is observed in nuclear (B) and cytoplasmic (C) locations in the colon carcinoma specimen. Hematoxylin-eosin counterstain.



#### IHC (Immunohistochemistry)

Fig: 2 Formalin-fixed, paraffin-embedded tissue section of human plasmacytoma (a mature B cell lymphoma) stained for Smac/DIABLO using at 1: 2000. Intense nuclear staining is observed. Hematoxylin-eosin counterstain

#### WB (Western Blot)

Fig: 1 Western blot analysis of Smac/DIABLO human tissues and cell lines using at 1: 2000. Legend. SMAC: full-length recombinant smac. RS1846 and Jurkat are tumor cell lines. All tissues are from normal donors except colon carcinoma (Colon Ca). SMAC expression was detected in all samples except spleen and normal colon.

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-DIABLO antibody | Smac/DIABLO (second mitochondrial-derived activator of caspase/direct IAP binding protein with low pI) is encoded by the nucleus and resides as a precursor within the intermembranous space of the mitochondria. During apoptosis, Smac/DIABLO is proteolytically cleaved and released from the mitochondria into the cytosol, where it promotes cell death by interacting with IAPs and inhibiting their anti-apoptotic function. In turn, certain IAPs may degrade Smac/DIABLO and block its cell death function. Smac/DIABLO is expressed in a wide range of normal tissues and some tumor cells lines, and its over-expression in tumor cell lines can trigger both extrinsic and intrinsic apoptosis pathways. |
| Product Categories/Family for anti-DIABLO antibody   | Antibodies; Apoptosis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

NCBI AND UNIPROT INFORMATION

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| NCBI GI #                        | 18203316                                       |
| NCBI GeneID                      | 56616                                          |
| UniProt Accession #              | Q9NR28; Q6W3F3; Q96LV0; Q9BT11; Q9HAV6; B2RDQ0 |
| Molecular Weight                 | 22,284 Da                                      |
| NCBI Official Full Name          | Diablo homolog, mitochondrial                  |
| NCBI Official Synonym Full Names | diablo IAP-binding mitochondrial protein       |
| NCBI Official Symbol             | DIABLO                                         |
| NCBI Official Synonym Symbols    | SMAC; DFNA64                                   |
| NCBI Protein Information         | diablo homolog, mitochondrial                  |
| UniProt Protein Name             | Diablo homolog, mitochondrial                  |
| UniProt Gene Name                | DIABLO                                         |
| UniProt Synonym Gene Names       | SMAC; Smac                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/polyclonal/smac-diablo-antibody-western-blot-immunohistochemistry-immunoprecipitation-elisa/78356>