

## 20-1087: Polyclonal antibody to SMAC/Diablo

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	IP,IHC,WB
<b>Reactivity :</b>	Human
<b>Gene :</b>	DIABLO
<b>Gene ID :</b>	56616
<b>Uniprot ID :</b>	Q9NR28
<b>Format :</b>	Sera
<b>Alternative Name :</b>	DIABLO,SMAC
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	A synthetic peptide of SMAC/Diablo (amino acids 56-73 AVPIAQKSEPHSLSEAL) was used as immunogen for this antibody

### Description

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 Info

<b>Amount :</b>	50 µl
<b>Content :</b>	50 µl sera
<b>Storage condition :</b>	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

### Application Note

WB: 1:1000-1:2000, IHC (paraffin): 1:1000-1:5000, IHC (frozen): Users should optimize, IP: 1:50-1:200



Fig:1 Formalin-fixed, paraffin-embedded tissue cores from a human breast cancer microarray stained for Smac/Diablo using 20-1087 at 1:2000. Hematoxylin-eosin counterstain. Differential Smac/DIABLO staining is seen between patient samples.