

20-1087: Polyclonal antibody to SMAC/Diablo

Clonality :	Polyclonal
Application :	IP,IHC,WB
Reactivity :	Human
Gene :	DIABLO
Gene ID :	56616
Uniprot ID :	Q9NR28
Format :	Sera
Alternative Name :	DIABLO,SMAC
Isotype :	Rabbit IgG
Immunogen Information :	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

Amount :	50 µl
Content :	50 µl sera
Storage condition :	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.