

Anti-Smac Rabbit pAb



WL0834

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-Smac Rabbit pAb		
Source	Rabbit		
Species reactivity	Human		
Tested applications	Western blot	1:500-1:1000	
	Immunohistochemistry	1:50-1:500	
<i>*Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.</i>			
Cellular localization	Mitochondrion.		
Pack size	50/100/200/500/1000μl		
Storage	Store at -20°C. Avoid freeze/thaw cycles.		
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 μg/ml		
	BSA, 50% glycerol and less than 0.02% sodium azide		

General Information

Background	Smac/Diablo is a mammalian mitochondrial protein that functions as a regulatory component during apoptosis. It promotes CASP9 activation by binding to IAPs and removing their inhibitory activity. The inhibitor of apoptosis proteins (IAPs) regulate programmed cell death by inhibiting members of the caspase family of enzymes. This interaction involves mainly the amino-terminal residues of Smac/Diablo with the BIR3 region of XIAP, supplemented with several other hydrophobic interactions between the helical structures of Smac/Diablo and other areas of BIR3. Smac/DIABLO is expressed in a variety of human and mouse tissues.
Immunogen	Polyclonal antibody is produced by immunizing animals with a synthetic peptide of Smac.
Purification	Polyclonal antibody was purified by immunogen affinity chromatography.

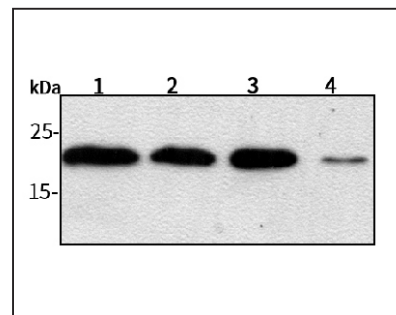
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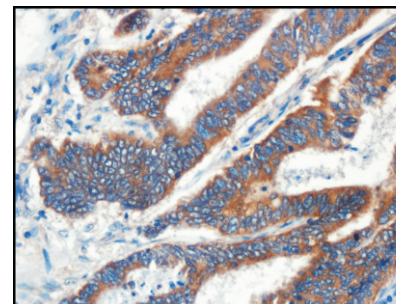
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Product Images



Western blot-Anti-Smac pAb

Lane 1: Human HepG2 cell lysate
 Lane 2: Human SW480 cell lysate
 Lane 3: Human BGC-823 cell lysate
 Lane 4: Human MGC-803 cell lysate
 All lanes: Anti-Smac at 1:1000 dilution
 Lysates/proteins at 20-50 μg per lane.
 Predicted band size: 27 kDa
 Observed band size: 21 kDa



Immunohistochemistry-Anti-Smac pAb

Sample: Human colon cancer tissue
 Antigen retrieval: pH 6.0 citrate buffer
 Primary antibody: 1:100, 4°C, overnight
 Secondary antibody-Biotin: 1:150, 37°C, 1h
 Streptavidin-HRP: 1:200, 37°C, 30min
 Visualization: DAB