

Anti-Caspase-9 Rabbit pAb



WL03421

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-Caspase-9 Rabbit pAb	
Source	Rabbit	
Species reactivity	Human, Mouse, Rat	
Tested applications	WB	1:1000-1:2000
	IHC	1:500
	IF	1:500
Cellular localization	cytoplasm, mitochondrion, nucleus	
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

Caspase-9 encodes a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. This protein can undergo autoproteolytic processing and activation by the apoptosome, a protein complex of cytochrome c and the apoptotic peptidase activating factor 1; this step is thought to be one of the earliest in the caspase activation cascade. This protein is thought to play a central role in apoptosis and to be a tumor suppressor.

Immunogen

Polyclonal antibody is produced by immunizing animals with a synthetic peptide of Caspase-9.

Purification

Polyclonal antibody was purified by Protein A affinity chromatography.

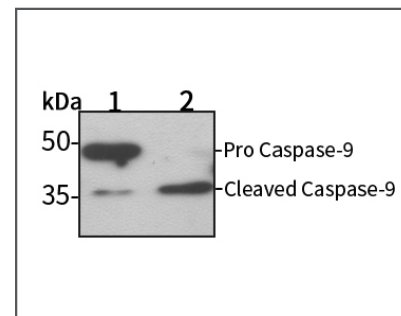
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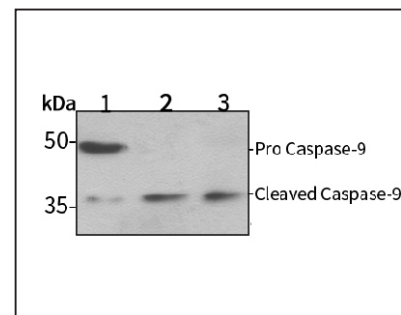
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Product Images



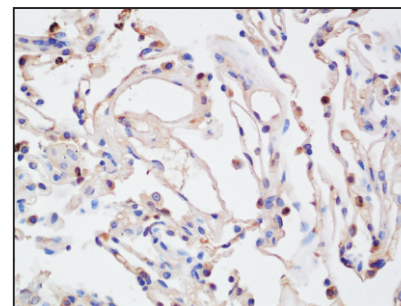
Western blot-Anti-Caspase-9 pAb

Lane 1: Human MGC-803 cell lysate
 Lane 2: Human SGC-7901 cell lysate
 All lanes: Anti-Caspase-9 at 1:1000 dilution
 Lysates/proteins at 20-50 µg per lane.
 Predicted band size: 46kDa
 Observed band size: procaspase-9: 46kDa
 cleaved-caspase-9: 35kDa



Western blot-Anti-Caspase-9 pAb

Lane 1: Mouse kidney tissue lysate
 Lane 2: Rat colon tissue lysate
 Lane 3: Rat spleen tissue lysate
 All lanes: Anti-Caspase-9 at 1:1000 dilution
 Lysates/proteins at 20-50 µg per lane.
 Predicted band size: 46kDa
 Observed band size: procaspase-9: 46kDa
 cleaved-caspase-9: 35kDa



Immunohistochemistry-Anti-Caspase-9 pAb

Immunohistochemical analysis of paraffin-embedded human lung cancer using anti-Caspase-9 Rabbit Antibody at 1:500 dilution.
 Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

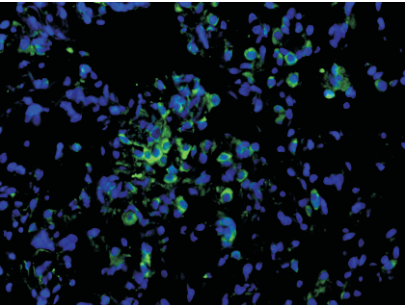
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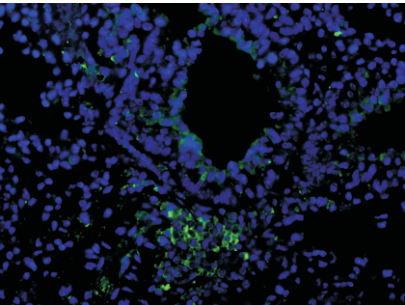
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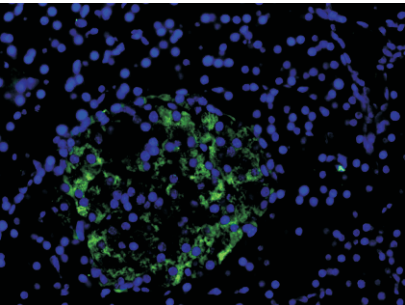
Product Information



Immunofluorescence-Anti-Caspase-9 pAb
Immunofluorescence analysis of paraffin-embedded human lung cancer using anti-Caspase-9 Rabbit Antibody at 1:500 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunofluorescence-Anti-Caspase-9 pAb
Immunofluorescence analysis of paraffin-embedded mouse lung using anti-Caspase-9 Rabbit Antibody at 1:500 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunofluorescence-Anti-Caspase-9 pAb
Immunofluorescence analysis of paraffin-embedded rat pancreas using anti-Caspase-9 Rabbit Antibody at 1:500 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0