

# pro Caspase 9 Antibody

Rabbit mAb

Catalog # AP90750

## Product Information

<b>Application</b>	WB, IHC, FC
<b>Primary Accession</b>	<a href="#">P55211</a>
<b>Reactivity</b>	Human
<b>Clonality</b>	Monoclonal
<b>Other Names</b>	APAF-3; APAF3; Apoptotic protease Mch-6; ICE-LAP6; Apoptotic protease-activating factor 3; CASP-9; CASP9; Caspase-9 subunit p10; ICE-like apoptotic protease 6; ICELAP6; MCH6;
<b>Isotype</b>	Rabbit IgG
<b>Host</b>	Rabbit
<b>Calculated MW</b>	46281

## Additional Information

<b>Dilution</b>	WB 1:500~1:2000 IHC 1:50~1:200 FC 1:50
<b>Purification</b>	Affinity-chromatography
<b>Immunogen</b>	A synthesized peptide derived from human pro Caspase 9
<b>Description</b>	Caspases are a family of cytosolic aspartate specific cysteine proteases. Involved in the activation cascade of caspases responsible for apoptosis execution. Cleaved caspase-9 further processes other caspase members, including caspase-3 and caspase-7, to initiate a caspase cascade, which leads to apoptosis.
<b>Storage Condition and Buffer</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

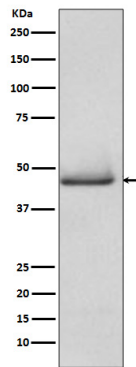
## Protein Information

<b>Name</b>	CASP9
<b>Synonyms</b>	MCH6
<b>Function</b>	Involved in the activation cascade of caspases responsible for apoptosis execution. Binding of caspase-9 to Apaf-1 leads to activation of the protease which then cleaves and activates effector caspases caspase-3 (CASP3) or caspase-7 (CASP7). Promotes DNA damage- induced apoptosis in a ABL1/c-Abl-dependent manner. Proteolytically cleaves poly(ADP-ribose) polymerase (PARP). Cleaves BIRC6 following inhibition of BIRC6-caspase binding by DIABLO/SMAC (PubMed: <a href="#">36758105</a> , PubMed: <a href="#">36758106</a> ).
<b>Tissue Location</b>	Ubiquitous, with highest expression in the heart, moderate expression in liver, skeletal muscle, and pancreas. Low levels in all other tissues. Within the

heart, specifically expressed in myocytes.

## Images

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Western blot analysis of pro Caspase 9 expression in Jurkat cell lysate.

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Immunohistochemical analysis of paraffin-embedded human colon, using pro Caspase 9 Antibody.

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