

**Caspase-9 Antibody**  
Rabbit mAb  
Catalog # AP90116

## Specification

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### Caspase-9 Antibody - Product Information

Application **WB, IHC, FC, ICC, IP**

Primary Accession [P55211](#)

Clonality

**Monoclonal**

#### Other Names

APAF-3; Caspase9; ICE-LAP6; Apoptotic protease Mch-6; CASP-9; Caspase-9; Caspase-9 precursor; MCH6; RNCASP9;

Isotype

**Rabbit IgG**

Host

**Rabbit**

Calculated MW

**46281 Da**

### Caspase-9 Antibody - Additional Information

Purification

**Affinity-chromatography**

Immunogen

**A synthesized peptide derived from human Caspase-9**

Description

**Caspase-9 (ICE-LAP6, Mch6) is an important member of the cysteine aspartic acid protease (caspase) family. Upon apoptotic stimulation, cytochrome c released from mitochondria associates with the 47 kDa procaspase-9/Apaf 1. Apaf-1 mediated activation of caspase-9 involves intrinsic proteolytic processing resulting in cleavage at Asp315 and producing a p35 subunit.**

Storage Condition and Buffer

**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.**

### Caspase-9 Antibody - Protein Information

**Name** CASP9

**Synonyms** MCH6

#### Function

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="http://www.uniprot.org/citations/36758105" target="\_blank">36758105</a>, PubMed:<a href="http://www.uniprot.org/citations/36758106" target="\_blank">36758106</a>).

#### **Tissue Location**

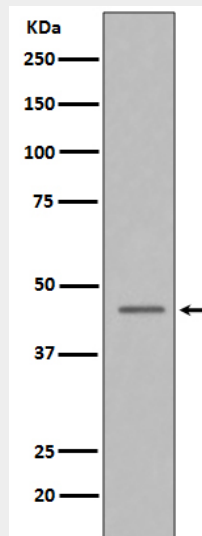
Ubiquitous, with highest expression in the heart, moderate expression in liver, skeletal muscle, and pancreas. Low levels in all other tissues. Within the heart, specifically expressed in myocytes.

#### **Caspase-9 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **Caspase-9 Antibody - Images**



Western blot analysis of Caspase-9 in HeLa cell lysate treated with Camptothecin.