

**Caspase-9 Antibody**  
**Purified Mouse Monoclonal Antibody (Mab)**  
**Catalog # AP52819****Specification**

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**Caspase-9 Antibody - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">P55211</a>
Reactivity	<b>Human</b>
Host	<b>Mouse</b>
Clonality	<b>Monoclonal</b>
Isotype	<b>IgG1</b>
Calculated MW	<b>49,37 KDa</b>

**Caspase-9 Antibody - Additional Information****Gene ID** 842**Other Names**

APAF 3;APAF-3;APAF3;Apoptosis related cysteine peptidase;Apoptotic protease activating factor 3;Apoptotic protease Mch 6;Apoptotic protease Mch-6;Apoptotic protease-activating factor 3;CASP 9;CASP-9;CASP9;CASP9\_HUMAN;Caspase 9 apoptosis related cysteine peptidase;Caspase 9 Dominant Negative;Caspase 9c;Caspase-9;Caspase-9 subunit p10;Caspase9;ICE LAP6;ICE like apoptotic protease 6;ICE-LAP6;ICE-like apoptotic protease 6;MCH6;PPP1R56;protein phosphatase 1, regulatory subunit 56;RNCASP9

**Dilution**

WB~~1:1000

**Format**

Purified mouse monoclonal antibody in PBS(pH 7.4) containing with 0.09% (W/V) sodium azide, and 50% glycerol.

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**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

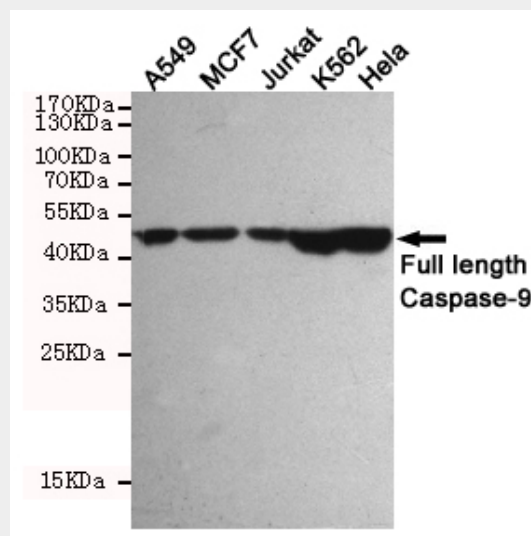
Ubiquitous, with highest expression in the heart, moderate expression in liver, skeletal muscle, and pancreas. Low levels in all other tissues. Within the heart, specifically expressed in myocytes.

### 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 detection of Caspase-9 in A549, MCF7, Jurkat, K562 and HeLa cell lysates using Caspase-9 mouse mAb (1:1000 diluted). Predicted band size: 49/37KDa. Observed band size: 49KDa.

### Caspase-9 Antibody - Background

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 caspase-3. Promotes DNA damage-induced apoptosis in a ABL1/c-Abl-dependent manner. Proteolytically cleaves poly(ADP-ribose) polymerase (PARP).

### Caspase-9 Antibody - References

- Duan H., et al. J. Biol. Chem. 271:16720-16724(1996).  
Srinivasula S.M., et al. J. Biol. Chem. 271:27099-27106(1996).  
Hadano S., et al. Mamm. Genome 10:757-760(1999).

Srinivasula S.M., et al. *Cancer Res.* 59:999-1002(1999).

Izawa M., et al. Submitted (JUN-1998) to the EMBL/GenBank/DDBJ databases.