

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

Specification

Caspase-9 Antibody - Product Information

Application	WB
Primary Accession	P55211
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	49,37 KDa

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:36758105, PubMed:36758106).

Tissue Location

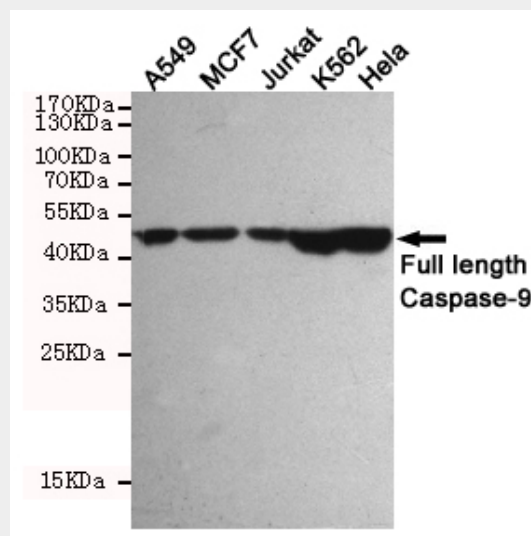
Ubiquitous, with highest expression in the heart, moderate expression in liver, skeletal muscle, and pancreas. Low levels in all other tissues. Within the heart, specifically expressed in myocytes.

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.