

Caspase-9 Antibody

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AP52819

Product Information

Application	WB
Primary Accession	P55211
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	46281

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

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.
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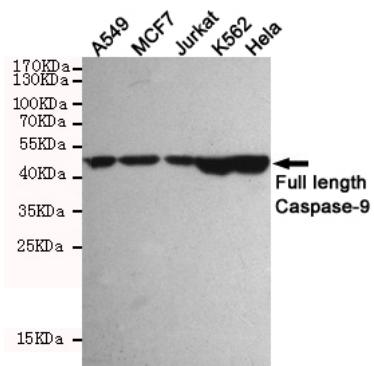
Background

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).

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.

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.