

anti-Caspase 9 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22426a**Specification**

anti-Caspase 9 Antibody - Product Information

Application	WB,E
Primary Accession	P55211
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit Ig
Calculated MW	46281

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

Caspase-9, CASP-9, 3.4.22.62, Apoptotic protease Mch-6, Apoptotic protease-activating factor 3, APAF-3, ICE-like apoptotic protease 6, ICE-LAP6, Caspase-9 subunit p35, Caspase-9 subunit p10, CASP9, MCH6

Target/Specificity

This anti-Caspase 9 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between amino acids from the human region of human anti-Caspase 9.

Dilution

WB~~1:2000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

anti-Caspase 9 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

anti-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

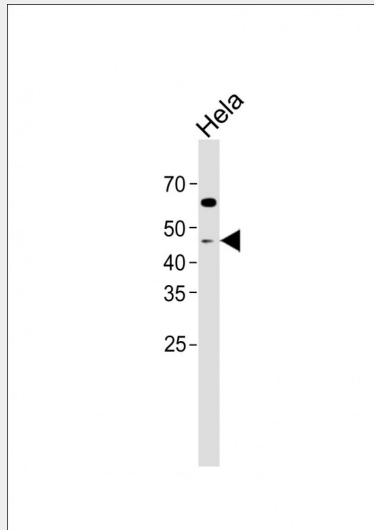
Ubiquitous, with highest expression in the heart, moderate expression in liver, skeletal muscle, and pancreas. Low levels in all other tissues. Within the heart, specifically expressed in myocytes.

anti-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](#)

anti-Caspase 9 Antibody - Images



All lanes: Anti-anti-Caspase 9 Antibody at 1:2000 dilution + HeLa whole cell lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 46 KDa Blocking/Dilution buffer: 5% NFD/MTBST.

anti-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 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).

anti-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.