

# anti-Caspase 9 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP22426a

## Product Information

---

<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">P55211</a>
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	polyclonal
<b>Isotype</b>	Rabbit Ig
<b>Clone Names</b>	R03401NP
<b>Calculated MW</b>	46281

## Additional Information

---

<b>Gene ID</b>	842
<b>Other Names</b>	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
<b>Target/Specificity</b>	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.
<b>Dilution</b>	WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	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.
<b>Precautions</b>	anti-Caspase 9 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

---

<b>Name</b>	CASP9
<b>Synonyms</b>	MCH6
<b>Function</b>	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.

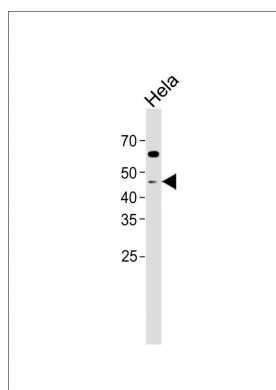
## Background

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).

## 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



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% NFDM/TBST.

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