

CASP9 / Caspase 9 Antibody (aa299-318)
Rabbit Polyclonal Antibody
Catalog # ALS12942**Specification**

CASP9 / Caspase 9 Antibody (aa299-318) - Product Information

Application	IF, WB, ICC, IHC
Primary Accession	P55211
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	46kDa KDa

CASP9 / Caspase 9 Antibody (aa299-318) - 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

peptide corresponding to amino acids 299 to 318 of human caspase-9

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions

CASP9 / Caspase 9 Antibody (aa299-318) is for research use only and not for use in diagnostic or therapeutic procedures.

CASP9 / Caspase 9 Antibody (aa299-318) - 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).

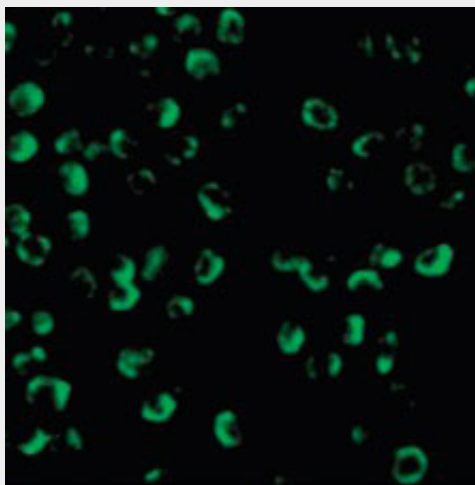
Tissue Location

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.

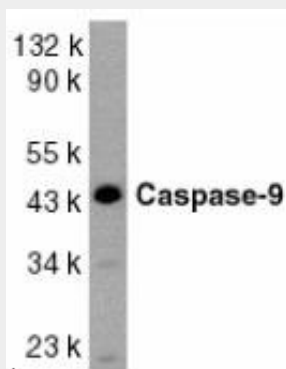
CASP9 / Caspase 9 Antibody (aa299-318) - Protocols

Provided below are standard protocols that you may find useful for product applications.

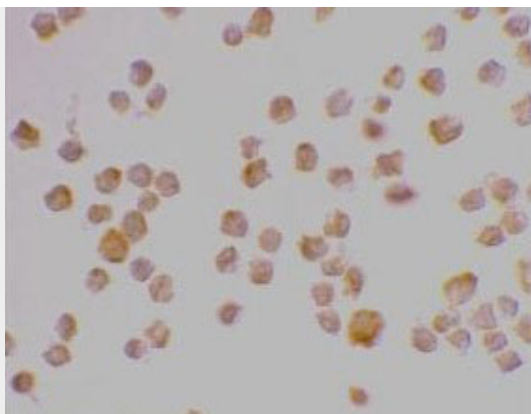
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CASP9 / Caspase 9 Antibody (aa299-318) - Images

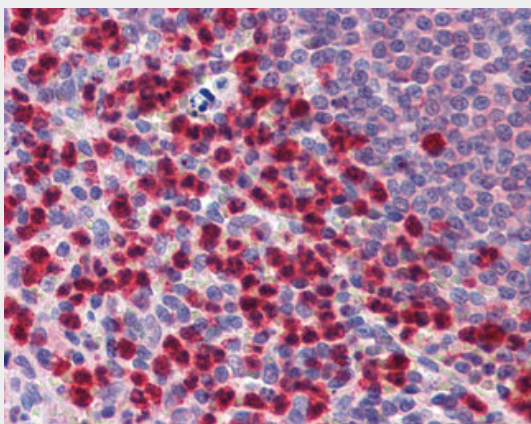
Immunofluorescence of Caspase-9 in K562 cells with Caspase-9 antibody at 20 ug/ml.



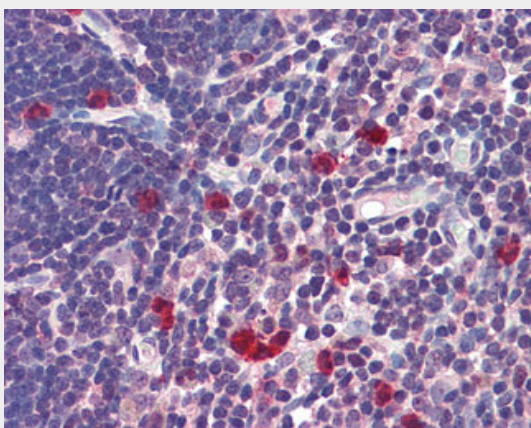
Western blot of caspase-9 in HeLa whole cell lysate with Caspase-9 antibody at 1:1000 dilution.



Immunocytochemical staining of K562 cells using Caspase-9 antibody at 2 µg/ml.



Anti-Caspase 9 antibody IHC of human spleen.



Anti-Caspase 9 antibody IHC of human thymus.

CASP9 / Caspase 9 Antibody (aa299-318) - 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).

CASP9 / Caspase 9 Antibody (aa299-318) - 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.