

# Caspase-9 Rabbit pAb

Catalog No.: A0281 **22 Publications**

## Basic Information

### Observed MW

35kDa/37kDa/47kDa

### Calculated MW

46kDa

### Category

Primary antibody

### Applications

ELISA, WB, IHC-P, IF/ICC

### Cross-Reactivity

Human, Mouse, Rat

## Background

This gene encodes a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. This protein can undergo autoproteolytic processing and activation by the apoptosome, a protein complex of cytochrome c and the apoptotic peptidase activating factor 1; this step is thought to be one of the earliest in the caspase activation cascade. This protein is thought to play a central role in apoptosis and to be a tumor suppressor. Alternative splicing results in multiple transcript variants.

## Recommended Dilutions

<b>WB</b>	1:500 - 1:1000
<b>IHC-P</b>	1:100 - 1:500
<b>IF/ICC</b>	1:50 - 1:200

## Immunogen Information

### Gene ID

842

### Swiss Prot

P55211

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 139-416 of Caspase-9 (NP\_001220.2).

### Synonyms

MCH6; APAF3; APAF-3; PPP1R56; ICE-LAP6; Caspase-9

## Contact

☎ | 400-999-6126

✉ | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

🌐 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

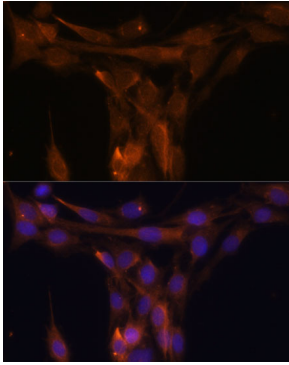
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

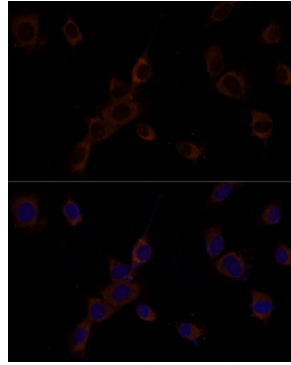
Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

## Validation Data

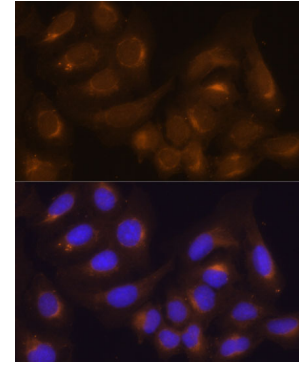
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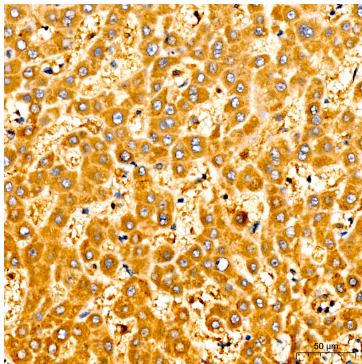
Immunofluorescence analysis of C6 cells using Caspase-9 Rabbit pAb (A0281) at dilution of 1:100. Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



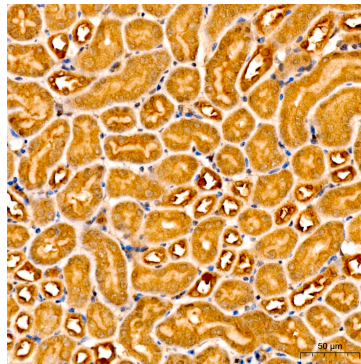
Immunofluorescence analysis of NIH/3T3 cells using Caspase-9 Rabbit pAb (A0281) at dilution of 1:100. Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



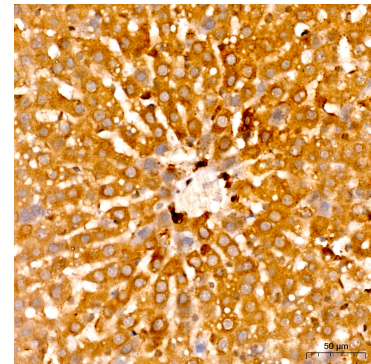
Immunofluorescence analysis of U-2 OS cells using Caspase-9 Rabbit pAb (A0281) at dilution of 1:100. Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of Caspase-9 in paraffin-embedded human liver tissue using Caspase-9 Rabbit pAb (A0281) at a dilution of 1:300 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of Caspase-9 in paraffin-embedded mouse kidney tissue using Caspase-9 Rabbit pAb (A0281) at a dilution of 1:300 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of Caspase-9 in paraffin-embedded rat liver tissue using Caspase-9 Rabbit pAb (A0281) at a dilution of 1:300 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.