

[KO Validated] Caspase-9 Rabbit pAb

Catalog No.: A0281 **KO** **Validated** **7 Publications**

Basic Information

Catalog No.

A0281

Observed MW

47KDa/37KDa

Calculated MW

17kDa/30kDa/36kDa/46kDa

Category

Primary antibody

Applications

WB, IHC, IF

Cross-Reactivity

Human, Mouse, Rat

Recommended Dilutions

WB	1:500 - 1:2000
IHC	1:50 - 1:200
IF	1:50 - 1:200

Contact

 | www.abclonal.com

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.

Immunogen Information

Gene ID	Swiss Prot
842	P55211

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-98 of human Caspase-9 (NP_001220.2).

Synonyms

CASP9; APAF-3; APAF3; ICE-LAP6; MCH6; PPP1R56; caspase-9; casp9; Caspase 9

Product Information

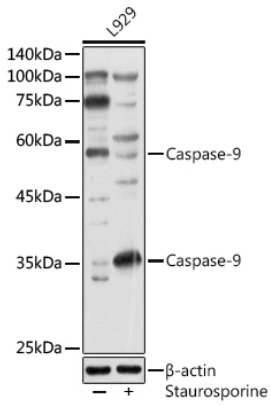
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage

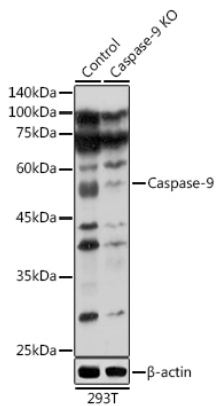
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

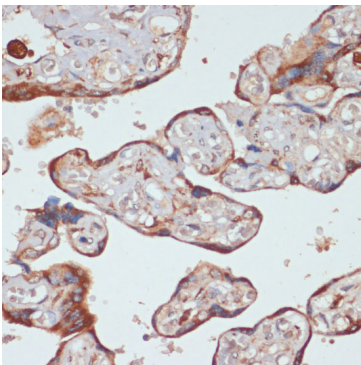
Validation Data



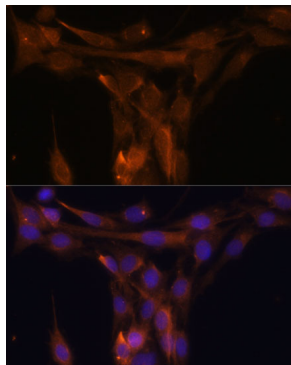
Western blot analysis of extracts of L929 cells, using Caspase-9 antibody (A0281) at 1:1000 dilution. L929 cells were treated by staurosporine (1 μ M) for 3 hours. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.



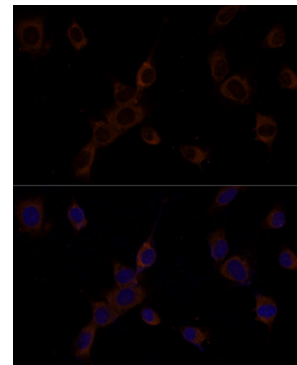
Western blot analysis of extracts from normal (control) and Caspase-9 knockout (KO) 293T cells, using Caspase-9 antibody (A0281) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.



Immunohistochemistry of paraffin-embedded human placenta using Caspase-9 antibody (A0281) at dilution of 1:100 (40x lens).

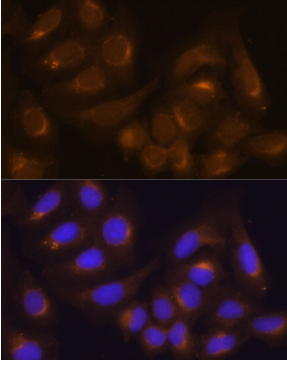


Immunofluorescence analysis of C6 cells using Caspase-9 antibody (A0281) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 cells using Caspase-9 antibody (A0281) at dilution of 1:100. Blue: DAPI for nuclear staining.

Validation Data



Immunofluorescence analysis of U-2 OS cells using Caspase-9 antibody (A0281) at dilution of 1:100. Blue: DAPI for nuclear staining.