

Caspase-9 Rabbit mAb

Catalog No.: A18676 **Recombinant** **9 Publications**

Basic Information

Observed MW

47kDa

Calculated MW

46kDa

Category

Primary antibody

Applications

ELISA, WB, IF/ICC

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC5016-02

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

WB 1:500 - 1:1000**IF/ICC** 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

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Product Information

Source

Rabbit

Isotype

IgG

Purification

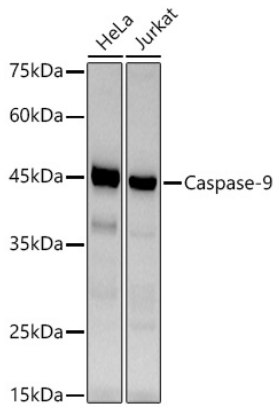
Affinity purification

Storage

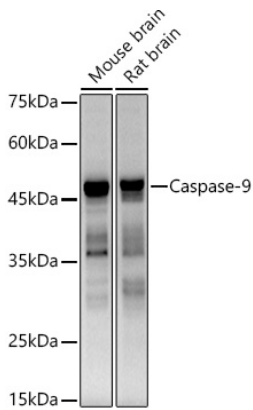
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 0.05% BSA, 50% glycerol, pH7.3.

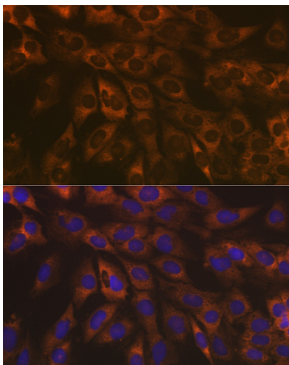
Validation Data



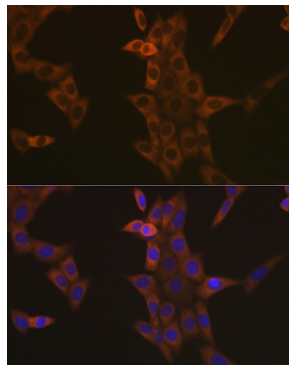
Western blot analysis of extracts of various cell lines, using Caspase-9 antibody (A18676) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.



Western blot analysis of extracts of various cell lines, using Caspase-9 antibody (A18676) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Enhanced Kit (RM00021).
Exposure time: 60s.



Immunofluorescence analysis of C6 cells using Caspase-9 Rabbit mAb (A18676) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH-3T3 cells using Caspase-9 Rabbit mAb (A18676) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.