

Caspase-7 Rabbit pAb

Catalog No.: A1524

12 Publications

Basic Information

Observed MW

35kDa

Calculated MW

34kDa

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. The precursor of the encoded protein is cleaved by caspase 3 and 10, is activated upon cell death stimuli and induces apoptosis. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.

Recommended Dilutions

WB	1:500 - 1:1000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID

840

Swiss Prot

P55210

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 150-250 of human Caspase-7 (NP_001218.1).

Synonyms

MCH3; CMH-1; LICE2; CASP-7; ICE-LAP3; Caspase-7

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

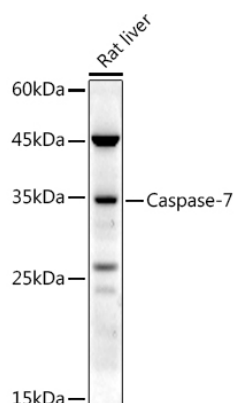
Affinity purification

Storage

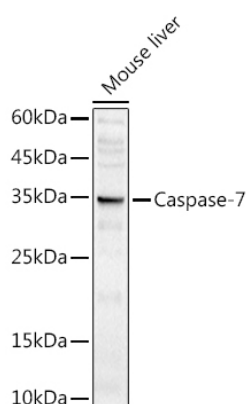
Store at -20°C. Avoid freeze / thaw cycles.

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

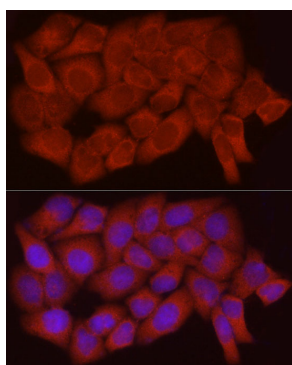
Validation Data



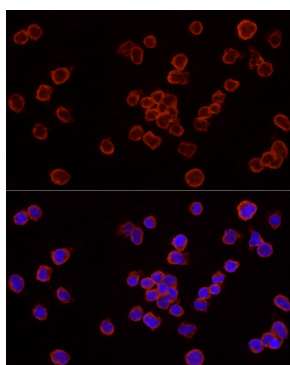
Western blot analysis of extracts of Rat liver, using Caspase-7 antibody (A1524) at 1:500 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.



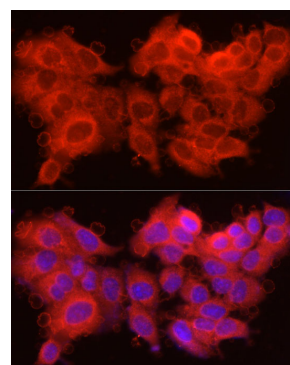
Western blot analysis of extracts of Mouse liver, using Caspase-7 antibody (A1524) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 3s.



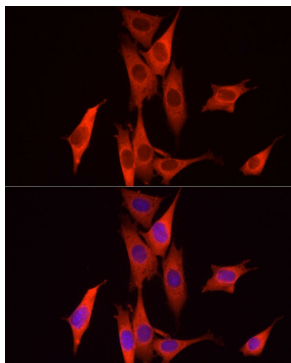
Immunofluorescence analysis of HeLa cells using Caspase-7 Rabbit pAb (A1524) at dilution of 1:200 (40x lens). Blue: DAPI for nuclear staining.



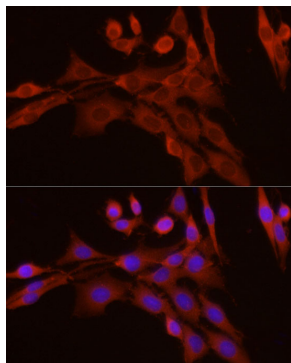
Immunofluorescence analysis of Jurkat cells using Caspase-7 Rabbit pAb (A1524) at dilution of 1:200 (40x lens). Blue: DAPI for nuclear staining.



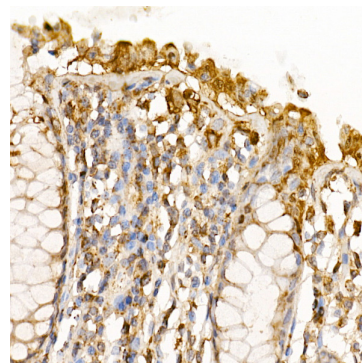
Immunofluorescence analysis of MCF7 cells using Caspase-7 Rabbit pAb (A1524) at dilution of 1:200 (40x lens). Blue: DAPI for nuclear staining.



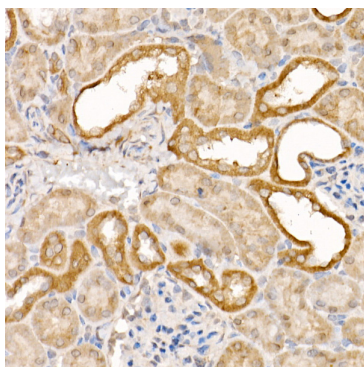
Immunofluorescence analysis of NIH/3T3 cells using Caspase-7 Rabbit pAb (A1524) at dilution of 1:200 (40x lens). Blue: DAPI for nuclear staining.



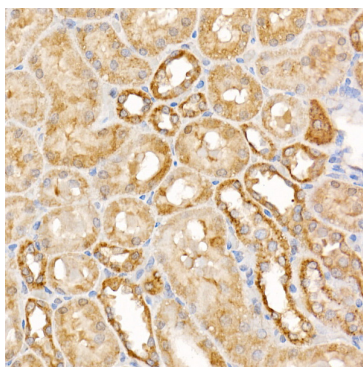
Immunofluorescence analysis of PC-12 cells using Caspase-7 Rabbit pAb (A1524) at dilution of 1:200 (40x lens). Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffin-embedded human colon using Caspase-7 Rabbit pAb (A1524) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded mouse kidney using Caspase-7 Rabbit pAb (A1524) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded rat kidney using Caspase-7 Rabbit pAb (A1524) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.