

A25309

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Caspase-3 Rabbit mAb

Catalog No.: A25309

Recombinant

15 Publications

Basic Information

Observed MW

32kDa/17,19kDa/17,19kDa,35kDa/17/19/35kDa

Calculated MW

32kDa

Category

Monoclonal Antibody

Applications

WB,IHC-P,ELISA

Cross-Reactivity

Human

Clone number

ARC3244

Background

The protein encoded by this gene is a cysteine-aspartic acid protease that plays a central role in the execution-phase of cell apoptosis. The encoded protein cleaves and inactivates poly(ADP-ribose) polymerase while it cleaves and activates sterol regulatory element binding proteins as well as caspases 6, 7, and 9. This protein itself is processed by caspases 8, 9, and 10. It is the predominant caspase involved in the cleavage of amyloid-beta 4A precursor protein, which is associated with neuronal death in Alzheimer's disease.

Recommended Dilutions

WB 1:1000 - 1:5000

IHC-P 1:100 - 1:1000

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
836

Swiss Prot
P42574

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

CPP32; SCA-1; CPP32B; Caspase-3

Contact

 www.abclonal.com

Product Information

Source
Rabbit

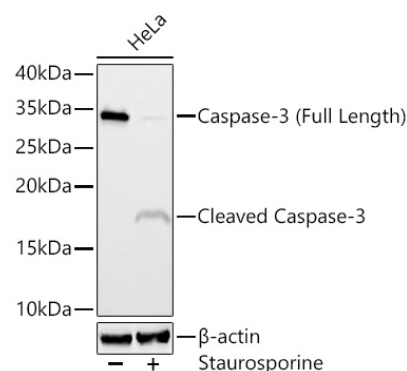
Isotype
IgG

Purification
Affinity purification

Storage

Store at -20°C

Validation Data



Western blot analysis of lysates from HeLa cells using Caspase-3 Rabbit mAb (A25309) at 1:5000 dilution incubated at room temperature for 1.5 hours. HeLa cells were treated by staurosporine(1 uM) for 3 hour.

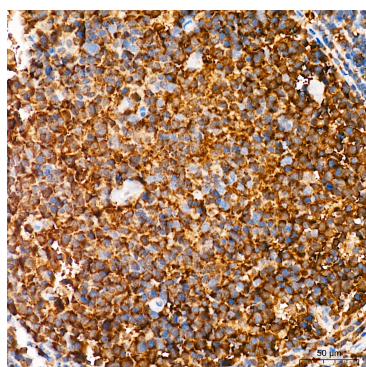
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 30 µg per lane.

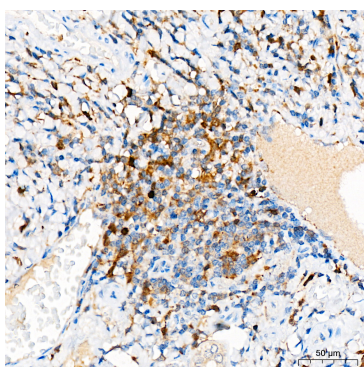
Blocking buffer: 3 % nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 180s.



Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using Caspase-3 Rabbit mAb (A25309) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human liver tissue using Caspase-3 Rabbit mAb (A25309) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.