

pro Caspase-3 Mouse mAb

Catalog No.: A17900 **1 Publications**

Basic Information

Observed MW

32kDa

Calculated MW

32kDa

Category

Primary antibody

Applications

WB,ELISA

Cross-Reactivity

Human, Mouse

CloneNo number

AMC0214

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 1:500 - 1:2000

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

Recombinant fusion protein containing a sequence corresponding to amino acids 55-160 of human Caspase-3 (P42574).

Synonyms

CPP32; SCA-1; CPP32B; Caspase-3

Contact

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Product Information

Source

Mouse

Isotype

IgG1,Kappa

Purification

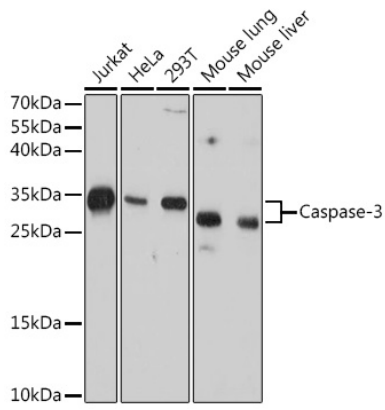
Affinity purification

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 various lysates using Caspase-3 Mouse mAb (A17900) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (AS003) 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.