

Caspase-3 Rabbit mAb

Catalog No.: A19654 **Recombinant** **89 Publications**

Basic Information

Observed MW

17kDa/32kDa/35kDa

Calculated MW

32kDa

Category

Primary antibody

Applications

ELISA, WB

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC0133

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 - 1:1000

Immunogen Information

Gene ID

836

Swiss Prot

P42574

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 29-175 of human Caspase-3 (P42574).

Synonyms

CPP32; SCA-1; CPP32B; -3

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

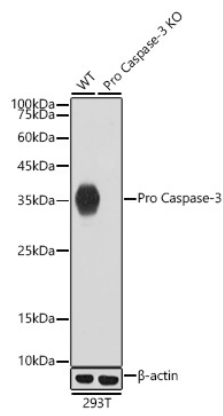
Affinity purification

Storage

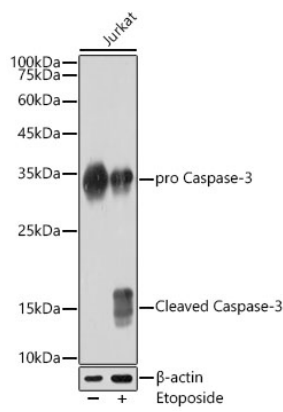
Store at -20°C. Avoid freeze / thaw cycles.

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

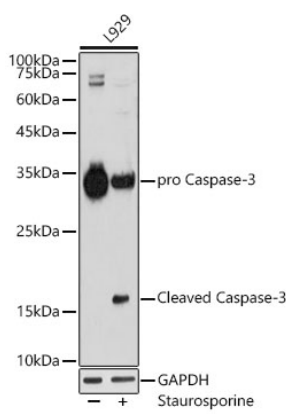
Validation Data



Western blot analysis of lysates from wild type(WT) and active + pro Caspase-3 knockout (KO) 293T cells, using [KO Validated] active + pro Caspase-3 Rabbit mAb (A19654) 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: 30s.

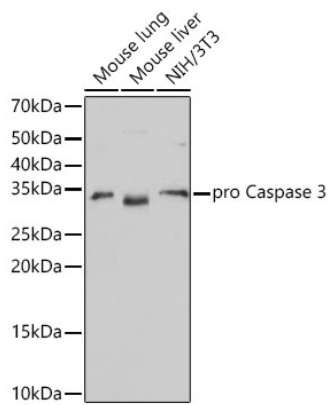


Western blot analysis of lysates from Jurkat cells, using [KO Validated] active + pro Caspase-3 Rabbit mAb (A19654) at 1:1000 dilution. Jurkat cells were treated by Etoposide (25 uM) at 37°C for 5 hours.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.



Western blot analysis of lysates from L929 cells, using [KO Validated] active + pro Caspase-3 Rabbit mAb (A19654) at 1:1000 dilution. L929 cells were treated by staurosporine (1 uM) for 3 hour.
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: 180s.

Validation Data



Western blot analysis of various lysates, using [KO Validated] active + pro Caspase-3 Rabbit mAb (A19654) 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: 3min.