

Caspase-6 Rabbit mAb

Catalog No.: A30006**Recombinant**

Basic Information

Observed MW

18 kDa(Cleaved)/35 kDa(Full length)

Calculated MW

32 kDa

Category

Monoclonal Antibodies

Applications

WB, IP, ELISA

Cross Reactivity

Human

Clone No.

ARC4119

Background

This gene encodes a member of the cysteine proteases that plays important roles in regulating apoptosis and neurodegeneration. The encoded protein is involved in the transmission of pain and axonal degeneration. Genetic deletion of this gene in mice results in the delay of axon pruning and protects from axon degeneration.

Recommended Dilutions

WB 1:20000 - 1:40000**IP**

0.5 µg - 4 µg antibody for 200 µg - 400 µg extracts of whole cells

ELISA

Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions ($\geq 1:10000$), a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID

12368

Swiss-Prot

O08738

Immunogen

This information is considered to be commercially sensitive.

Synonyms

Mch2; CASP-6

Contact

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Product Information

Source

Rabbit

Isotype

IgG

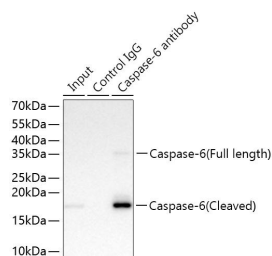
Purity

Affinity purification

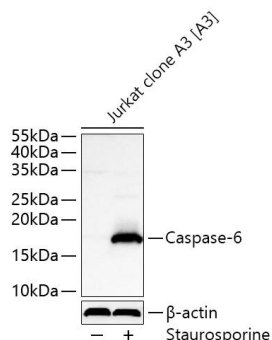
Storage

Store at -20°C

Validation Data



Immunoprecipitation of Caspase-6 from 300 µg extracts of Jurkat clone A3 [A3] cells treated with Staurosporine (1 µM, 3 hours) was performed using 0.5 µg of Caspase-6 Rabbit mAb (A30006). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using Caspase-6 Rabbit mAb (A30006) at a dilution of 1:10000.



Western blot analysis of lysates from Jurkat clone A3 [A3] cells using Caspase-6 Rabbit mAb (A30006) at 1:40000 dilution incubated overnight at 4°C. Jurkat clone A3 [A3] cells were treated with Staurosporine (1 µM) at 37°C for 3 hours.

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: 45 s.