

# Caspase-2 Rabbit mAb

Catalog No.: A4888 **Recombinant**

## Basic Information

### Observed MW

14kDa/48kDa

### Calculated MW

51kDa

### Category

Primary antibody

### Applications

ELISA, WB

### Cross-Reactivity

Human

### CloneNo number

ARC0317

## Background

This gene encodes a member of the cysteine-aspartic acid protease (caspase) family. Caspases mediate cellular apoptosis through the proteolytic cleavage of specific protein substrates. The encoded protein may function in stress-induced cell death pathways, cell cycle maintenance, and the suppression of tumorigenesis. Increased expression of this gene may play a role in neurodegenerative disorders including Alzheimer's disease, Huntington's disease and temporal lobe epilepsy. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.

## Recommended Dilutions

WB 1:500 - 1:2000

## Immunogen Information

### Gene ID

835

### Swiss Prot

P42575

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 334-452 of human Caspase-2 (P29594).

### Synonyms

ICH1; NEDD2; CASP-2; NEDD-2; PPP1R57; Caspase-2

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

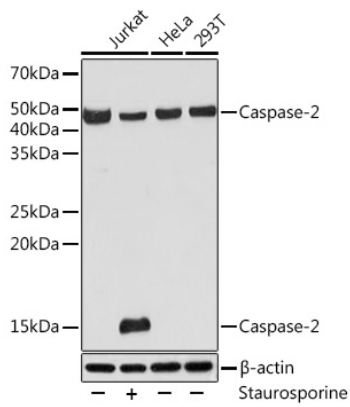
### Storage

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

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

## Validation Data

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Western blot analysis of extracts of various cell lines, using Caspase-2 pAb (A4888) at 1:1000 dilution. Jurkat cells were treated by Staurosporine (1uM) for 3 hours. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% BSA. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.