

A11021

Leader in Biomolecular Solutions for Life Science



# Active Caspase-3 Rabbit mAb

Catalog No.: A11021 **Recombinant** **34 Publications**

## Basic Information

### Observed MW

17kDa

### Calculated MW

32kDa

### Category

SMab Recombinant Monoclonal Antibody

### Applications

WB,ELISA

### Cross-Reactivity

Human

### CloneNo number

ARC0185

## 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

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human CASP3 (P42574).

### Synonyms

CPP32; SCA-1; CPP32B; Active Caspase-3

## Contact



[www.abclonal.com](http://www.abclonal.com)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

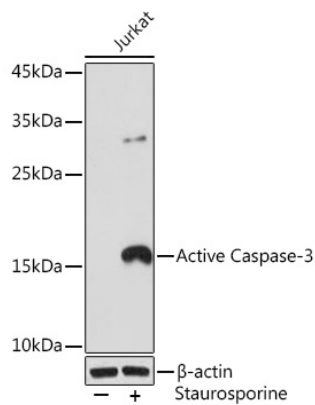
Affinity purification

### 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 extracts of Jurkat cells, using Active Caspase-3 Rabbit mAb (A11021) at 1:500 dilution. Jurkat cells were treated by Staurosporine (1  $\mu$ M) at room temperature for 3 hours. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25  $\mu$ g per lane. Blocking buffer: 3% BSA. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.