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CASP3

Reactivity: Human

Tested applications:WB IHC ICC IF

Recommended Dilution:WB 1:500 - 1:2000 IHC 1:50 - 1:200 ICC 1:50 - 1:200 IF 1:50 - 1:100

Calculated MW:17 kDa

Observed MW: Refer to figures

Immunogen:

Recombinant protein of human CASP3

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

CPP32; SCA-1; CPP32B;

Catalog #:A11021

Antibody Type:

Monoclonal Antibody

Species: Rabbit

Gene ID:836

Isotype: IgG

Swiss Prot:P42574

Purity: Affinity purification

For research use only.

Background:

This gene encodes a protein which is a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. This protein cleaves and activates caspases 6, 7 and 9, and the 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. Alternative splicing of this gene results in two transcript variants that encode the same protein.

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