

CASP3 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA3353
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human CASP3 (AA: 29-175) expressed in E. Coli.
Mol wt	31.6kDa
Species reactivity	Human,Mouse,Rat
Clonality	Monoclonal
Recommended application	WB
Concentration	N/A
Full name	N/A
Synonyms	CPP32;SCA-1;CPP32B

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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.

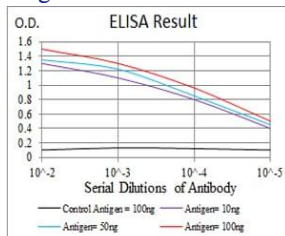
Recommended Dilution

WB: 1:500 - 1:2000

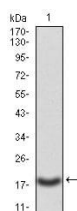
ELISA: 1:10000

Not yet tested in other applications.

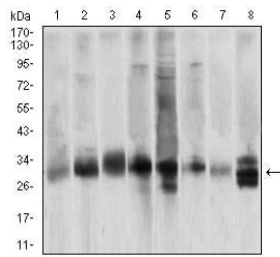
Images



Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



Western blot analysis using CASP3 mAb against human CASP3 (AA: 29-175) recombinant protein.



Western blot analysis using CASP3 mouse mAb against HeLa (1), Jurkat (2), HepG2 (3), BCL-1 (4), C6 (5), SK-Br-3 (6), NIH/3T3 (7) and A549 (8) cell lysate.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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