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CASP3 (N) Antibody, Rabbit Polyclonal

Cat#: R0881-1

Quantity: 100 ul

Predicted M.W.: 32 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: P42574

Background:

Caspase 3 (CASP3) 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. CASP3 proenzyme can be cleaved by caspases 8, 9 and 10 into p17 and p12 subunits to form an active dimer; and activated CASP3 then cleaves and activates caspases 6, 7 and 9. 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.

Other Names:

Caspase 3, CASP-3, Apopain, Cysteine protease CPP32, CPP-32, Protein Yama, SREBP cleavage activity 1, SCA-1

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of human CASP3. Antibodies were purified by affinity purification using immunogen.

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN₃. Store at -20 °C. Stable for 6 months from date of receipt.

Species Specificity:

Human, Mouse

Tested Applications:

WB: 1:1,000-1:5,000 (detect endogenous protein*)

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.



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Product Data:

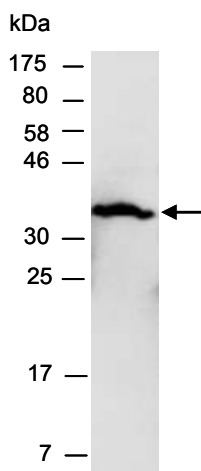


Fig 1. Western blot of total cell extracts from mouse MEF, using Ab (R0881-1) at RT for 2 h.

Last Update: 11/2011

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