

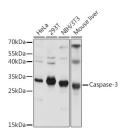
Tel:240-252-7368(USA) Fax: 240-252-7376(USA) techsupport@elabscience.com Website: www.elabscience.com

Caspase-3 Polyclonal Antibody

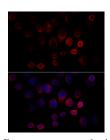
E-AB-60017 Catalog No. Reactivity H,M,R Storage Store at -20°C. Avoid freeze / thaw cycles. Host Rabbit **Applications** WB.IF **Isotype IgG**

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Images



Western blot analysis of extracts of various cell lines using Caspase-3 Polyclonal Antibody at dilution of 1:1000.



Immunofluorescence analysis of HeLa cells using Caspase-3 Polyclonal Antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

Immunogen Information

A synthetic peptide of human Caspase-3 **Immunogen**

(NP_004337.2).

GeneID 836 **Swissprot** P42574

Synonyms CPP32,SCA-1,Active Caspase 3,CASP3,active

Caspase-3, Caspase 3, Caspase-3 p12

Product Information

Calculated MW 31kDa

Observed MW 15kDa/35kDa

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

Purify Affinity purification

Dilution WB 1:500-1:2000 IF 1:50-1:200

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.