

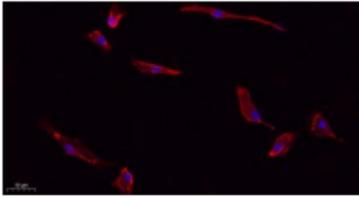
Caspase-3 Rabbit Polyclonal Antibody

OPR1854

Reactivity	H,M,R,Fs	Storage	-20°C, Avoid freeze / thaw cycles
Host	Rabbit	Applications	IHC,IF,ELISA,WB
Isotype	IgG	Concentration	1 mg/mL

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

Images



Immunofluorescence analysis of A549. 1, primary Antibody (red) was diluted at 1:200 (4°C overnight). 2, Goat Anti Rabbit IgG (H&L) - Alexa Fluor 594 Secondary antibody was diluted at 1:1000 (room temperature, 50 min). 3, Picture B: DAPI (blue) 10 min.

Immunogen Information

Immunogen	The antiserum was produced against synthesized peptide derived from human Caspase 3. AA range: 116-165
Swissprot	P42574
Synonyms	CASP3; CPP32; Caspase-3; CASP-3; Apopain; Cysteine protease CPP32; CPP-32; Protein Yama; SREBP cleavage activity 1; SCA-1.

Product Information

Observed MW	35 kDa
Buffer	PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Dilution	WB: 1/500 - 1/2000, IHC-p: 1:100-300, ELISA: 1/20000, IF 1:100-300

Other applications have not been tested. Optimal dilutions/concentrations should be determined by the end user

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.

Research Use

For research use only, not for use in diagnostic procedure

Legend

Applications: WB-Western Blot; IHC-Immunohistochemistry; IF-Immunofluorescence; IP-Immunoprecipitation; FC-Flow cytometry; ChIP-Chromatin Immunoprecipitation

Reactivity: H-Human; R-Rat; M-Mouse; Mk-Monkey; Dg-Dog; Ch-Chicken; Hm-Hamster; Rb-Rabbit; Sh- Sheep; Pg-Pig; Z-Zebrafish; X-Xenopus; C-Cow, Fs- Fish.

Please contact Origin Diagnostics and Research for further assistance

www.originlab.in

info@originlab.in

+91-7736237778