

CASP3 Antibody

Catalog No: #32628

Package Size: #32628-1 50ul #32628-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

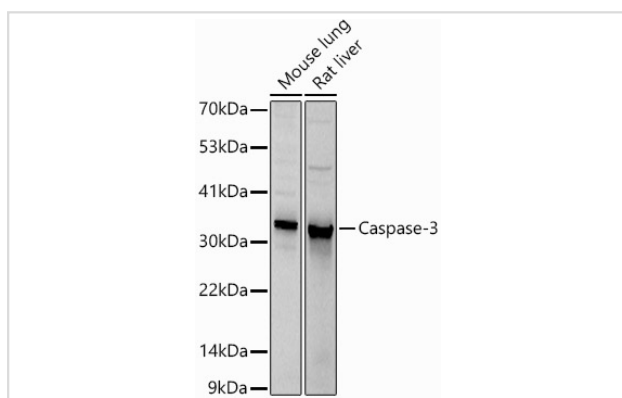
Description

| | |
|-----------------------|--|
| Product Name | CASP3 Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Purification | Affinity purification |
| Applications | WB,IHC,IF |
| Species Reactivity | Human,Mouse,Rat |
| Specificity | The antibody detects endogenous level of total CASP3 protein. |
| Immunogen Type | Peptide |
| Immunogen Description | Recombinant fusion protein of human Caspase-3 (NP_004337.2). |
| Target Name | CASP3 |
| Other Names | CPP32;CPP32B;SCA-1;Active Caspase 3;CASP3;active Caspase-3;Caspase 3;Caspase-3 p12;caspase-3 |
| Accession No. | Uniprot:P42574GeneID:836 |
| SDS-PAGE MW | 32KDa |
| Concentration | 1.0mg/ml |
| Formulation | PBS with 0.02% sodium azide,50% glycerol,pH7.3. |
| Storage | Store at -20°C. Avoid freeze / thaw cycles. |

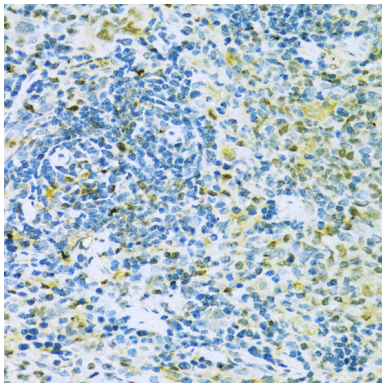
Application Details

WB □ 1:500 - 1:2000 IHC □ 1:50 - 1:200 IF □ 1:50 - 1:200

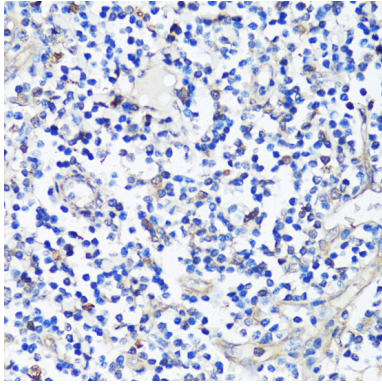
Images



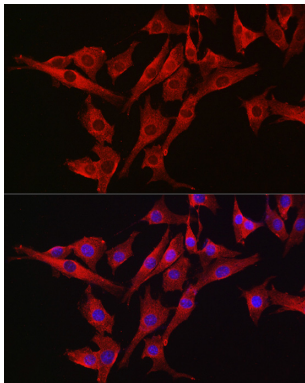
Western blot analysis of extracts of various cell lines, using Caspase-3 antibody.



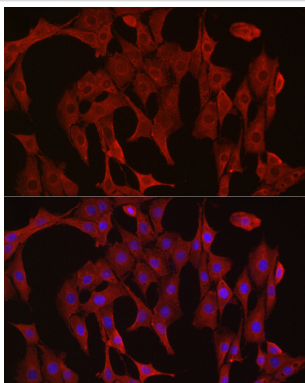
Immunohistochemistry of paraffin-embedded rat spleen using Caspase-3 antibody.



Immunohistochemistry of paraffin-embedded human tonsil using Caspase-3 antibody.



Immunofluorescence analysis of NIH/3T3 cells using [KO Validated] Caspase-3 Rabbit pAb.



Immunofluorescence analysis of PC-12 cells using [KO Validated] Caspase-3 Rabbit pAb.

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.

Published Papers

et al., CD155 Cooperates with PD-1/PD-L1 to Promote Proliferation of Esophageal Squamous Cancer Cells via PI3K/Akt and MAPK Signaling Pathways. In *Cancers (Basel)* on 2022 Nov 15 by Xiyang Tan, Jie Yang, et al..PMID:36428703, , (2022)

[PMID:36428703](#)

et al., Human urinary kininogenase reduces the endothelial injury by inhibiting Pyk2/MCU pathway. In *Biomed Pharmacother* on 2021 Nov by Xiaoli Yang, Zhongzhong Li,

et al..PMID:34543986, , (2021)

[PMID:34543986](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.