

## Caspase-3 Antibody

Catalog No: #48562

Package Size: #48562-1 50ul #48562-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

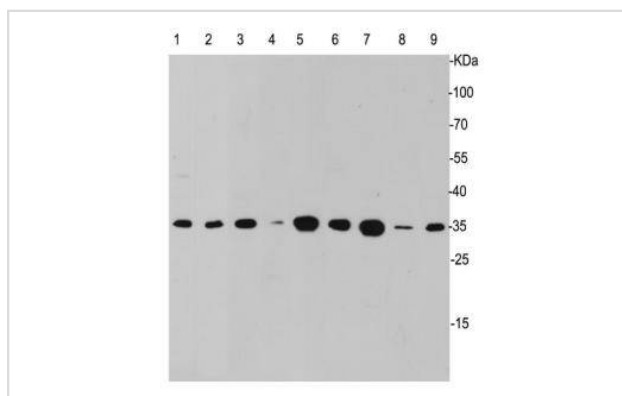
## Description

Product Name	Caspase-3 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Peptide affinity purified
Applications	WB, ICC, IHC, FC
Species Reactivity	Hu, Ms
Immunogen Description	Synthetic peptide (KLH-coupled) within human Caspase-3 N-terminal.
Other Names	A830040C14Rik antibody Apopain antibody CASP-3 antibody CASP3 antibody CASP3_HUMAN antibody Casp3a antibody Caspase 3 antibody Caspase 3, apoptosis-related cysteine peptidase antibody Caspase 3, apoptosis-related cysteine protease antibody Caspase 3, apoptosis-related cysteine protease a antibody Caspase-3 subunit p12 antibody CC3 antibody CPP-32 antibody CPP32 antibody CPP32B antibody Cysteine protease CPP32 antibody EC 3.4.22.56 antibody LICE antibody mldy antibody OTTHUMP00000165052 antibody OTTHUMP00000165053 antibody OTTHUMP00000165054 antibody PARP cleavage protease antibody Procaspase3 antibody Protein Yama antibody SCA 1 antibody SCA-1 antibody SREBP cleavage activity 1 antibody Yama antibody
Accession No.	Swiss-Prot#:P42574
Uniprot	P42574
GeneID	836;
Calculated MW	31 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

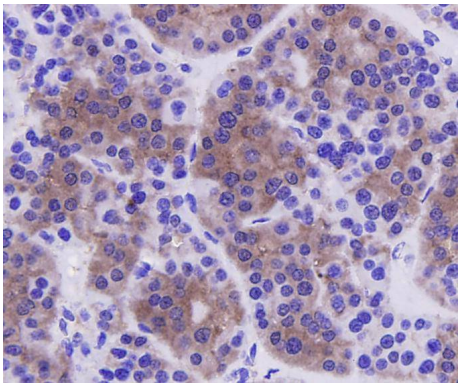
## Application Details

WB: 1:500-1:1,000 IHC: 1:200 ICC: 1:200 FC: 1:100-1:200

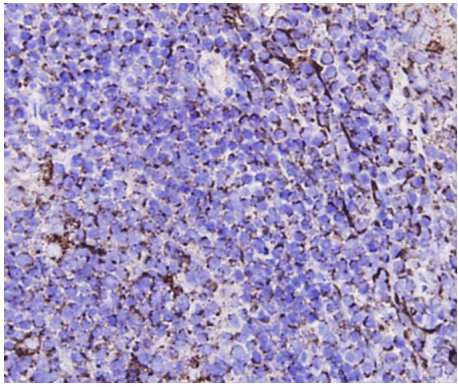
## Images



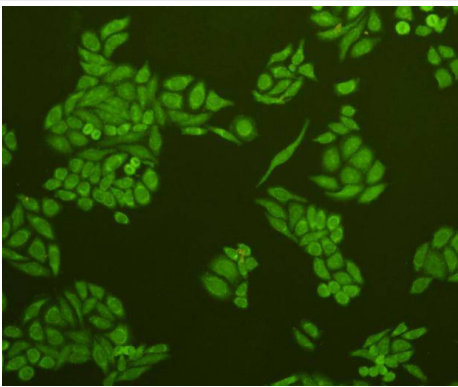
Western blot analysis of Caspase-3 on different lysates using anti- Caspase-3 antibody at 1/1,000 dilution. Positive control: Lane 1: Human lung Lane 2: Human brain Lane 3: Jurkat Lane 4: F9 Lane 5: NCCTI Lane 6: Daudi Lane 7: Raji Lane 8: MCF-7 Lane 9: Hela



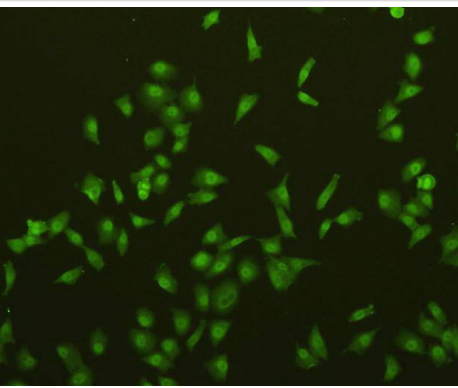
Immunohistochemical analysis of paraffin-embedded human liver carcinoma tissue using anti-Caspase-3 antibody. Counter stained with hematoxylin.



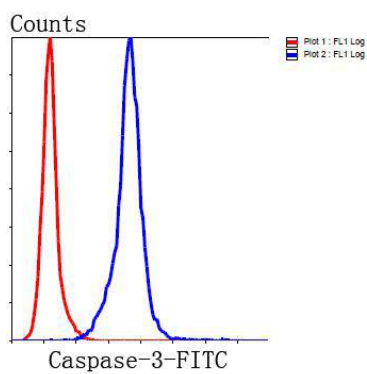
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-Caspase-3 antibody. Counter stained with hematoxylin.



ICC staining of Caspase-3 in HepG2 cells (green). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining of Caspase-3 in A549 cells (green). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of HeLa cells with Caspase-3 antibody at 1/100 dilution (blue) compared with an unlabelled control (cells without incubation with primary antibody; red). Goat anti rabbit IgG (FITC) was used as the secondary antibody.

## Background

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Caspase-3 (CPP-32, Apoptain, Yama, SCA-1) is a critical executioner of apoptosis, as it is either partially or totally responsible for the proteolytic cleavage of many key proteins, such as the nuclear enzyme poly (ADP-ribose) polymerase (PARP). Heterotetramer that consists of two anti-parallel arranged heterodimers, each one formed by a 17 kDa (p17) and a 12 kDa (p12) subunit.

## References

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Note: This product is for in vitro research use only