

Datasheet for ABIN4903137
anti-Caspase 3 antibody



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6 Images

Overview

Quantity:	100 µL
Target:	Caspase 3 (CASP3)
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This Caspase 3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant protein of human CASP3.
Isotype:	IgG
Characteristics:	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.
Purification:	Affinity purification

Target Details

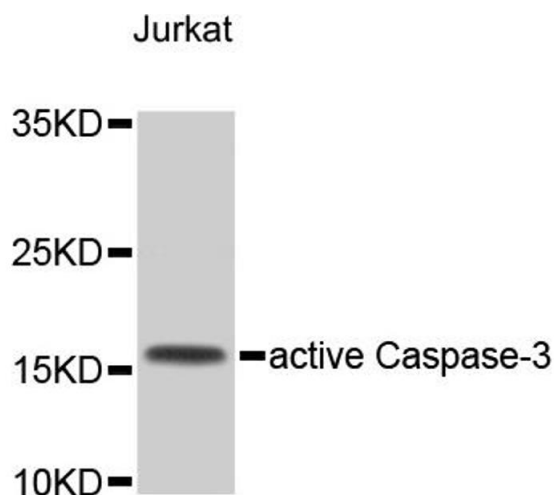
Target:	Caspase 3 (CASP3)
Alternative Name:	Caspase-3 (CASP3 Products)
Gene ID:	836
UniProt:	P42574
Pathways:	Apoptosis , Caspase Cascade in Apoptosis , Sensory Perception of Sound , ER-Nucleus Signaling , Positive Regulation of Endopeptidase Activity , Activated T Cell Proliferation

Application Details

Application Notes:	WB 1:500-1:2000 , IHC 1:50-1:200 , ICC 1:50-1:200 , IF 1:50-1:100
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.4
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	-20 °C
Storage Comment:	Store at -20°C.

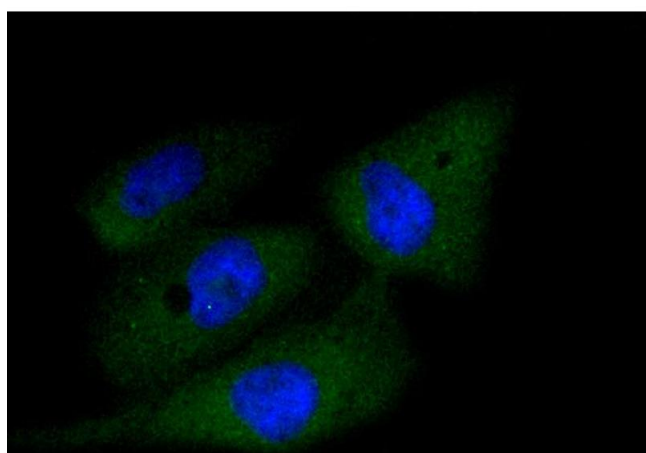


Western Blotting

Image 1. Western blot analysis of extracts of Jurkat cells, using CASP3 antibody (ABIN4903137). Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.

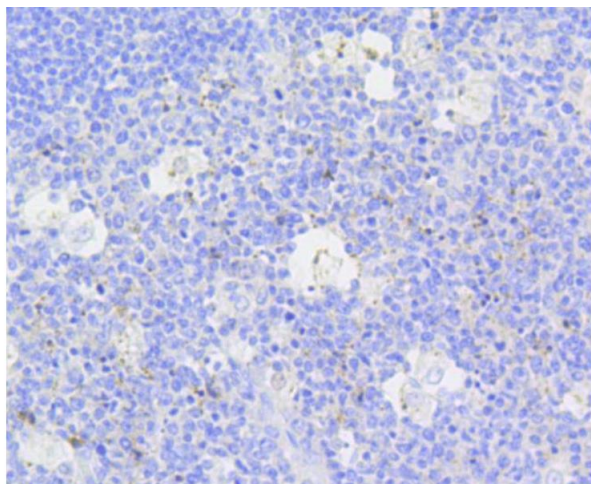
Immunofluorescence

Image 2. Immunofluorescence analysis of PC-3M cells using CASP3 antibody (ABIN4903137).



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human tonsil using CASP3 antibody (ABIN4903137) at dilution of 1:100 (40x lens).



Please check the [product details page](#) for more images. Overall 6 images are available for ABIN4903137.