antibodies - online.com







anti-Caspase 3 antibody



Images



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Quantity:	200 μL
Target:	Caspase 3 (CASP3)
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Caspase 3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant protein of human Caspase-3.	
Isotype:	IgG	
Characteristics:	Polyclonal Antibody	
Purification:	Affinity purification	

Target Details

Target:	Caspase 3 (CASP3)
Alternative Name:	Caspase-3 (CASP3 Products)
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

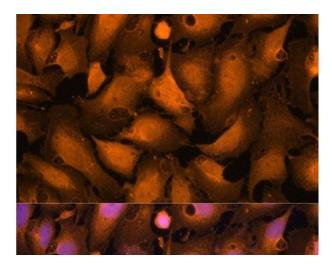
Target Details

	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.
Molecular Weight:	Observed_MW: 31 kDa
	Calculated_MW: 31 kDa
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

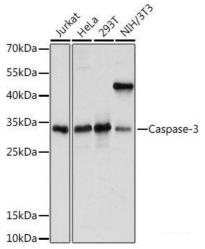
Application Notes:	WB 1:500-1:2000 IHC 1:50-1:200 IF 1:50-1:200
Restrictions:	For Research Use only
Handling	

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



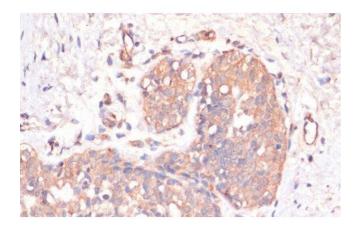
Immunofluorescence

Image 1. Immunofluorescence analysis of U-2OS cells using Caspase-3 Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines using Caspase-3 Polyclonal Antibody at dilution of 1:1000.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry of paraffin-embedded Human mammary cancer using Caspase-3 Polyclonal Antibody at dilution of 1:200 (40x lens).

Please check the product details page for more images. Overall 8 images are available for ABIN7259388.