

Caspase-3 Polyclonal Antibody

Cat No: HR1AP5045

For research use only

Overview

Product Name	Caspase-3 Polyclonal Antibody
Source	Rabbit
Applications	IF, WB, IHC-p, ELISA
Species Reactivity	Human, Mouse, Rat
Recommended Dilutions	
Immunogen	
Species	Rabbit
Storage	-20°C/1 year
Isotype	
Clonality	
Concentration	1 mg/ml
Observed band	35kDa
GeneID? Human?	CASP3
Human Swiss-Prot No.	
Cellular localization	
Alternative Names	CASP3; CPP32; Caspase-3; Caspase 3; CASP-3; Apopain; Cysteine protease CPP32; CPP-32; Protein Yama; SREBP cleavage activity 1; SCA-1
Background	caspase 3(CASP3) Homo sapiens 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. [provided by RefSeq, Jul 2008],