

Rabbit anti-Human caspase-3 Polyclonal Antibody | anti-CASP3 antibody

caspase-3 (A20) Antibody

CATALOG # AAA63003	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

caspase-3; Polyclonal Antibody; caspase-3 (A20) Antibody; anti-CASP3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	Human caspase-3 precursor (also designated CPP32)
Form/Format	200 ug/ml rabbit polyclonal IgG in 1 ml PBS containing 0.1 % sodium azide and 0.2% gelatin.
Concentration	0.200 mg/ml (varies by lot)
Sequence Length	277
Applicable Applications for anti-CASP3 antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Origin	Caspase-3 (also known as CPP32) is provided as an affinity purified rabbit polyclonal antibody, raised against a peptide mapping to the amino terminus of human caspase-3 precursor.
Immunogen	Synthetic peptide mapping to the amino terminal domain of human caspase-3 precursor.
Preparation and Storage	Store this product at 4 degree C, do not freeze. The product is stable for one year from the date of shipment.

ADDITIONAL INFORMATION

Related Product Information for anti-CASP3 antibody	Caspases is a family of mammalian proteases that regulate many of the morphological and biochemical features of apoptosis. The currently identified caspases can be divided into three groups: apoptotic initiators, apoptotic executioners, and inflammatory mediators (1,2). Caspase-2, 8, and 9 have been identified as apoptotic initiators (3,4). Caspase-2 (also designated Nedd-2/ICH-1) can be alternatively spliced to produce two distinct Caspase-2 mRNA species. One mRNA species encodes a protein of 435 amino acids in length and the mRNA splice variant encodes a 312 amino acid protein. The larger protein, Caspase-2L, in an over expressed state, leads to programmed cell death. Conversely the over expression of Caspase-2S protein, a truncated version of Caspase-2L, has been shown to suppress cell death induced by serum deprivation (5). The executioner caspases include caspase-3, 6 and 7. Of these three proteases Caspase-3 is considered to be the essential for the chromatin margination, DNA fragmentation, and nuclear collapse during apoptosis (6). Caspase-1 (also known as ICE) is considered to be a mediator of the inflammatory response by converting the inactive precursor of interleukin-1b to the 17 kDa proinflammatory cytokine, IL-1b (7,8).
References	Differential expression of ribosomal proteins in myelodysplastic syndromes . Elizabeth B Rinker, Julie C Dueber, Julianne Qualtieri, Jason Tedesco, Begum Erdogan, Amma Bosompem, Annette S Kim (2015)

NCBI AND UNIPROT INFORMATION

NCBI GI #	14790119
NCBI GeneID	836

NCBI Accession #	NP_004337.2
NCBI GenBank Nucleotide #	NM_004346.3
UniProt Accession #	P42574 ; Q96AN1 ; Q96KP2 ; A8K5M2 ; D3DP53
Molecular Weight	31,608 Da
NCBI Official Full Name	caspase-3 preproprotein
NCBI Official Synonym Full Names	caspase 3, apoptosis-related cysteine peptidase
NCBI Official Symbol	CASP3
NCBI Official Synonym Symbols	CPP32; SCA-1; CPP32B
NCBI Protein Information	caspase-3; CASP-3; CPP-32; PARP cleavage protease; SREBP cleavage activity 1; apopain; caspase 3, apoptosis-related cysteine protease; cysteine protease CPP32; procaspase3; protein Yama
UniProt Protein Name	Caspase-3
UniProt Gene Name	CASP3
UniProt Synonym Gene Names	CPP32; CASP-3; CPP-32; SCA-1
UniProt Entry Name	CASP3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/caspase-3-antibody-immunohistochemistry-immunoprecipitation-western-blot-elisa/63003>