

Rabbit anti-Human, Mouse Caspase 3 Monoclonal Antibody | anti-CASP3 antibody

Recombinant Caspase 3 Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA178777	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Caspase 3; Monoclonal Antibody; Recombinant Caspase 3 Monoclonal Antibody; A830040C14Rik; Apopain; CASP-3; CASP3; Casp3a; apoptosis-related cysteine peptidase; apoptosis-related cysteine protease; apoptosis-related cysteine protease a; Caspase-3 subunit p12; CC3; CPP-32; CPP32; CPP32B; Cysteine protease CPP32; EC 3.4.22.56; LICE; mldy; OTTHUMP00000165052; OTTHUMP00000165053; OTTHUMP00000165054; PARP cleavage protease; Procaspase3; Protein Yama; SCA 1; SCA-1; SREBP cleavage activity 1; Yama; anti-CASP3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG
Clone Number	R06-1B2
Purity/Purification	Affinity Purified
Form/Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
Concentration	300ug/mL (varies by lot)
Applicable Applications for anti-CASP3 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide of human Caspase 3
Research Area	Cancer, Cell Biology, Metabolism, Neuroscience
Preparation and Storage	Storage: -20 degree C/One year. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of pro Caspase 3 in paraffin-embedded Human tonsil using pro Caspase 3 Rabbit mAb at dilution 1:100



WB (Western Blot)

Western blot detection of Pro Caspase-3 in K562, Hela cell lysates using Caspase-3 Rabbit mAb(1:1000 diluted). Predicted band size: 32kDa. Observed band size: 32kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-CASP3 antibody	Caspases, a family of endoproteases, are critical players in cell regulatory networks controlling inflammation and cell death. Initiator caspases (caspase-2, -8, -9, -10, -11, and -12) cleave and activate downstream effector caspases (caspase-3, -6, and -7), which in turn execute apoptosis by cleaving targeted cellular proteins. Caspase 3 (also named CPP32, SCA-1, and Apopain) proteolytically cleaves poly(ADP-ribose) polymerase (PARP) at the beginning of apoptosis. Caspase 3 plays a key role in the activation of sterol regulatory element binding proteins (SREBPs) between the basic helix-loop-helix leucine zipper domain and the membrane attachment domain. Caspase 3 can also form heterocomplex with other proteins and performs MW of 50-70 kDa. This antibody can recognize p17, p19 and p32 of Caspase 3.
Product Categories/Family for anti-CASP3 antibody	Antibodies ; Primary Antibodies ; Recombinant Antibody

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; apopain; procaspase3; protein Yama; PARP cleavage protease; cysteine protease CPP32; SREBP cleavage activity 1; caspase 3, apoptosis-related cysteine protease
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/monoclonal/caspase-3-antibody-clone-r06-1b2-immunohistochemistry-western-blot-elisa/178777>