

Rabbit Cleaved Caspase 3 Polyclonal Antibody | anti-CASP3 antibody

Cleaved Caspase 3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA31150	Rabbit	Human, Mouse, Rat, Bovine	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry

PRODUCT SYNONYMS

Cleaved Caspase 3; Polyclonal Antibody; Cleaved Caspase 3 Antibody; A830040C14Rik; Apopain; CASP-3; CASP3_HUMAN; Casp3a; Caspase 3; 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; Procaspace3; protein Yama; SCA 1; SCA-1; SREBP cleavage activity 1; Yama; anti-CASP3 antibody

PRODUCT SPECIFICATIONS

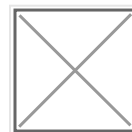
Host	Rabbit
Reactivity	Human, Mouse, Rat, Bovine
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin
Form/Format	Phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	~1mg/ml (varies by lot)
Applicable Applications for anti-CASP3 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry)
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:200 IF/ICC: 1:100-1:500 The optimal dilutions should be determined by the end user. IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween20 at 4 degree C with gentle shaking, overnight.
Immunogen	The antiserum was produced against synthesized peptide derived from human Caspase 3.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA31150 staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. Samples were then incubated with primary Ab(AAA31150 1:200) and mouse anti-beta tubulin Ab for 1 hour at 37 degree C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI (blue).



IHC (Immunohistochemistry)

AAA31150 at 1/100 staining Mouse brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody



WB (Western Blot)

Western blot analysis of extracts from various samples, using Cleaved-Caspase 3 (Asp175), p17 Ab. Lane 1: Rat liver, blocked with antigen-specific peptides. Lane 2: Rat liver. Lane 3: Rat spleen.

ADDITIONAL INFORMATION

Related Product Information for anti-CASP3 antibody	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 2 subunits, large and small, that dimerize to form the active enzyme.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	14790119
NCBI GeneID	836
NCBI Accession #	NP_004337.2
NCBI GenBank Nucleotide #	NP_004337.2
UniProt Accession #	P42574
Molecular Weight	17kDa
NCBI Official Full Name	caspase-3 isoform a preproprotein
NCBI Official Synonym Full Names	caspase 3
NCBI Official Symbol	CASP3
NCBI Official Synonym Symbols	CPP32; SCA-1; CPP32B
NCBI Protein Information	caspase-3
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/cleaved-caspase-3-antibody-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-elisa/31150>