

Mouse CASP3 Monoclonal Antibody | anti-CASP3 antibody

Anti-CASP3 Antibody

CATALOG # AAA249052	HOST Mouse	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot, Immunohistochemistry, ELISA
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PRODUCT SYNONYMS

CASP3; Monoclonal Antibody; Anti-CASP3 Antibody; Apopain; CASP 3; Caspase 3; Caspase 3/p17; Caspase3; CPP 32; CPP32; CPP32B; Cysteine protease CPP32; Protein Yama; SCA 1; SREBP cleavage activity 1; anti-CASP3 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG1
Purity/Purification	>=95% as determined by SDS-PAGE Protein A+G Purified
Form/Format	Liquid; PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Sequence Length	277
Applicable Applications for anti-CASP3 antibody	IF (Immunofluorescence), WB (Western Blot), IHC (Immunohistochemistry), ELISA
Immunogen	Caspase 3, apoptosis-related cysteine peptidase
Preparation and Storage	Store at -20 degree C for 24 months. Avoid repeated freeze/thaw cycles.

IMAGES



WB (Western Blot)

Untreated and Staurosporine treated Jurkat cells were subjected to SDS PAGE followed by western blot with AAA249052 (CASP3 antibody) at dilution of 1:3000



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human breast cancer using AAA249052 (CASP3 antibody) at dilution of 1:200

ADDITIONAL INFORMATION

Related Product Information for anti-CASP3 antibody	Caspase 3, also named as CPP32, SCA-1 and Apopain, belongs to the peptidase C14A family. Caspase 3 is involved in the activation cascade of caspases responsible for apoptosis execution. At the onset of apoptosis it proteolytically cleaves poly(ADP-ribose) polymerase(PARP) at a '216-Asp -Gly-217' bond. Caspase 3 cleaves and activates sterol regulatory element binding proteins(SREBPs) between the basic helix-loop-helix leucine zipper domain and the membrane attachment domain. Cleaves and activates caspase-6,-7 and-9. Caspase 3 is involved in the cleavage of huntingtin. 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	14790119
NCBI GeneID	836
NCBI Accession #	NP_004337.2
NCBI GenBank Nucleotide #	NM_004346.4
UniProt Accession #	P42574
Molecular Weight	32-35 kDa; 19 kDa; 17 kDa
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/monoclonal/casp3-antibody-immunofluorescence-western-blot-immunohistochemistry-elisa/249052>