

Mouse Active Caspase-3 Monoclonal Antibody | anti-CASP3 antibody

Active Caspase-3 Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA330118	Mouse	Human, Mouse, Rat, Chicken	Immunohistochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

Active Caspase-3; Monoclonal Antibody; Active Caspase-3 Monoclonal Antibody; Mouse Anti-Active Caspase-3 Monoclonal Antibody; anti-CASP3 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat, Chicken
Clonality	Monoclonal
Isotype	IgG1
Form/Format	Liquid; PBS, pH 7.4, Containing 0.02% Sodium Azide as preservative and 50% Glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	277
Applicable Applications for anti-CASP3 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant Protein
Preparation and Storage	Stable for one year at -20 degree C from date of receipt. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

Fig.5. Immunohistochemical analysis of paraffin-embedded rat lung tissue. 1, Active Caspase-3 Monoclonal Antibody was diluted at 1:200 (4 degree C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98 degree C, 20min). 3, secondary antibody was diluted at 1:200 (room temperature, 30min). Negative control was used by secondary antibody only.



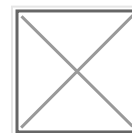
IHC (Immunohistochemistry)

Fig.4. Immunohistochemical analysis of paraffin-embedded mouse liver tissue. 1, Active Caspase-3 Monoclonal Antibody was diluted at 1:200 (4 degree C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98 degree C, 20min). 3, secondary antibody was diluted at 1:200 (room temperature, 30min). Negative control was used by secondary antibody only.



IHC (Immunohistochemistry)

Fig.3. Immunohistochemical analysis of paraffin-embedded human liver tissue. 1, Active Caspase-3 Monoclonal Antibody was diluted at 1:200 (4 degree C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98 degree C, 20min). 3, secondary antibody was diluted at 1:200 (room temperature, 30min). Negative control was used by secondary antibody only.



IF (Immunofluorescence)

Fig.2. Immunofluorescence analysis of rat lung tissue. 1, Active Caspase-3 Monoclonal Antibody (red) was diluted at 1:200 (4 degree C, overnight). 2, Cy3 Labeled secondary antibody was diluted at 1:300 (room temperature, 50min). 3, Picture B: DAPI (blue) 10min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B.



WB (Western Blot)

Fig.1. Western blot analysis of 1) Hela, 2) 3T3, 3) rat brain tissue using Active Caspase-3 Monoclonal Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CASP3 antibody	CASP3 (caspase 3) 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 CASP3 results in two transcript variants that encode the same protein.
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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
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/active-caspase-3-antibody-immunohistochemistry-immunofluorescence-western-blot-elisa/330118>