

Mouse anti-Human Caspase-3 (Pro and Active) Monoclonal Antibody | anti-Casp3 antibody

Caspase-3 (Pro and Active) Monoclonal Antibody

CATALOG # AAA14867	HOST Mouse	REACTIVITY Human	APPLICATIONS Western Blot, Immunohistochemistry
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PRODUCT SYNONYMS

Caspase-3 (Pro and Active); Monoclonal Antibody; Caspase-3 (Pro and Active) Monoclonal Antibody; Casp3; Cpp32; anti-Casp3 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1, Kappa
Clone Number	ABM1C12
Purity/Purification	Protein G Chromatography
Form/Format	Purified 25 ug in 50 ul/100 ug in 200 ul PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Sequence Length	277
Applicable Applications for anti-Casp3 antibody	WB (Westen Blot), IHC (Immunohistochemistry)
Antigen	Caspase-3 (Pro and Active)
Immunogen	Full length recombinant Caspase-3 protein was used as the immunogen for this antibody
Preparation and Storage	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

IMAGES



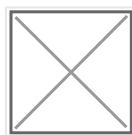
FCM (Flow Cytometry)

Intracellular FLOW cytometric analysis of Caspase 3 (Clone : ABM1C12) inon Jurkat cells using 05 µg/10⁶ cells of antibody. Goat anti-mouse PE conjugate was used as secondary antibody. Green represents isotope control, red represents anti-caspase 3 antibody.



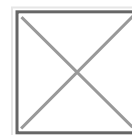
IHC (Immunohistochemistry)

Immunohistochemical analysis of Caspase-3 in human Tonsil tissue using Caspase-3 antibody (Clone: ABM1C12) at 10 µg/ml.



IHC (Immunohistochemistry)

Immunohistochemical analysis of Caspase-3 in human Small intestine tissue using Caspase-3 antibody (Clone: ABM1C12) at 10 ug/mL/



IHC (Immunohistochemistry)

Immunohistochemical analysis of Caspase-3 in squamous cell carcinoma of lungs using Caspase-3 antibody (Clone: ABM1C12) at 5 ug/ml.

**IHC (Immunohistochemistry)**

Immunohistochemical analysis of Caspase-3 in normal human spleen tissue using Caspase-3 antibody (Clone: ABM1C12) at 5 ug/ml.

**IHC (Immunohistochemistry)**

Immunohistochemical analysis of Caspase-3 in adenocarcinoma of rectum using Caspase-3 antibody (Clone: ABM1C12) at 5 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-Casp3 antibody	Caspases are a member of the cysteine-aspartic acid protease family. Caspase-3 (31 kDa) is an executionary caspase which directly cleaves and activates poly(ADP-ribose) polymerase (PARP), sterol regulatory element binding proteins (SREBPs) or it can also interact with other caspases like caspase-6, -7 and -9. Increased levels of caspase-3 are involved in Huntington Disease-associated cell death. Caspase-3 is the principal caspase in mediating the cleavage of amyloid-beta 4A precursor protein (APP), which is related with neuronal death in Alzheimer's disease. Like other caspases, caspase-3 is also synthesized as a zymogen procaspase which is activated by specific proteolytic cleavage. High levels of caspase-3 are observed in lung, spleen, heart, liver and kidney, moderate levels in brain and skeletal muscle, and low in testis.
Product Categories/Family for anti-Casp3 antibody	Apoptosis

NCBI AND UNIPROT INFORMATION

NCBI GI #	549806822
NCBI GeneID	836
NCBI Accession #	NP_001271338.1
NCBI GenBank Nucleotide #	NM_001284409.1
UniProt Accession #	P42574 ; O08668 ; Q8CHV5 ; Q9QWI4 ; P70677
NCBI Official Full Name	caspase-3
NCBI Official Synonym Full Names	caspase 3
NCBI Official Symbol	Casp3
NCBI Official Synonym Symbols	CC3; AC-3; Lice; Yama; mldy; CPP32; SCA-1; CASP-3; CPP-32; Apopain; Caspase-3; A830040C14Rik
NCBI Protein Information	caspase-3; SREBP cleavage activity 1; caspase 3, apoptosis related cysteine protease; cysteine protease CPP32; 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_MOUSE

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-pro-and-active-antibody-clone-abm1c12-western-blot-immunohistochemistry-elisa/14867>