

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

Monoclonal Antibody to Caspase-3 (Clone: ABM11D3)

CATALOG # AAA78259	HOST Mouse	REACTIVITY Human	APPLICATIONS Western Blot, Flow Cytometry, Functional Assay, Immunohistochemistry
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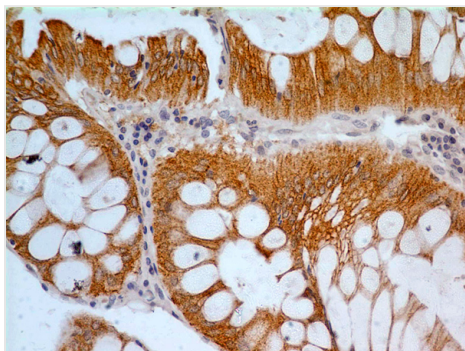
PRODUCT SYNONYMS

Caspase-3; Monoclonal Antibody; Monoclonal Antibody to Caspase-3 (Clone: ABM11D3); Apopain; Cysteine protease CPP32; SREBP cleavage activity; SCA-1; anti-CASP3 antibody

PRODUCT SPECIFICATIONS

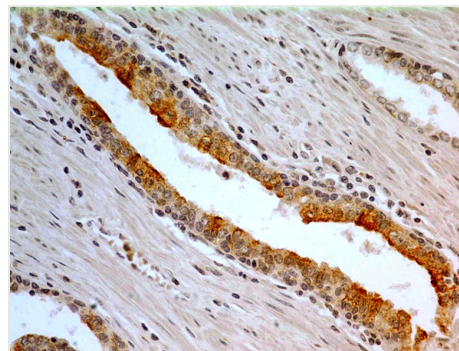
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	ABM11D3
Purity/Purification	Purified Protein G Chromatography
Form/Format	25 ug in 50 ul/100 ug in 200 ul PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Sequence Length	277
Applicable Applications for anti-CASP3 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry)
Immunogen Information	Full length recombinant protein of Caspase-3 was used as the immunogen for this antibody.
Antigen	Caspase-3
Preparation and Storage	Store the antibody at 4 degree C, stable for 6 months. For long-term storage, store at -20 degree C. Avoid repeated freeze and thaw cycles.

IMAGES



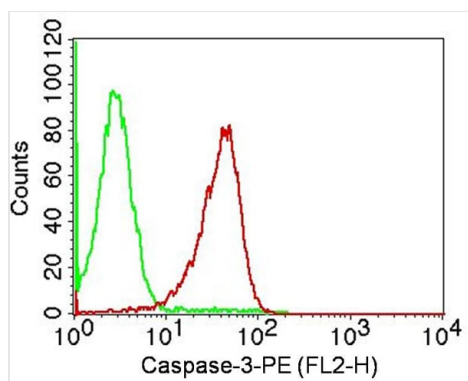
IHC (Immunohistochemistry)

Fig-4: Immunohistochemical analysis of Caspase-3 in human Rectum using anti-Caspase-3 antibody (Clone: ABM11D3) at 5 ug/ml.



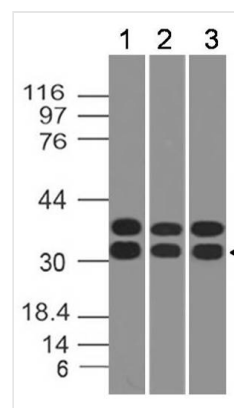
IHC (Immunohistochemistry)

Fig-3: Immunohistochemical analysis of Caspase-3 in human Prostate using anti-Caspase-3 antibody (Clone: ABM11D3) at 5 ug/ml.



FCM/FACS (Flow Cytometry)

Fig-2: Intracellular flow analysis of Caspase3 on Jurkat cells using 0.5 ug/ 10⁶ cells of antibody (Clone: ABM11D3). Green represents isotype control; red represents anti-Caspase-3 antibody. Goat anti-mouse PE conjugate was used as secondary. (Cells were fixed with 4% paraformaldehyde for 10 min and washed with PBS by centrifuging at 1100 for 5 min followed by permeabilization for 20 min and washed again as mentioned above. Then cell were incubated with primary antibody for 45 min. and after washing the cells twice in PBS, incubated with conjugated secondary antibody for 30 min. Data acquisition was done after washing twice with PBS as mentioned above).



WB (Western Blot)

Fig-1: Western blot analysis of Caspase-3. Anti-Caspase-3 antibody (Clone: ABM11D3) was used at 0.5 ug/ml on Jurkat, Ramos and Raji lysates.

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

[Antibodies](#); [Apoptosis](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	77416852
NCBI GeneID	836
UniProt Accession #	P42574 ; Q96AN1 ; Q96KP2 ; A8K5M2 ; D3DP53
Molecular Weight	31,608 Da
NCBI Official Full Name	Caspase-3
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

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.

