

Mouse LC3B Monoclonal Antibody | anti-LC3B antibody

LC3B Mouse mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282223	Mouse	Human, Mouse, Rat	Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

LC3B; Monoclonal Antibody; LC3B Mouse mAb; ATG8F; MAP1LC3B-a; MAP1A/1BLC3; MAP1LC3B; LC3A/LC3B; anti-LC3B antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG1, Kappa
Purity/Purification	Affinity purification
Form/Format	PBS with 0.01% thiomersal, 50% glycerol, pH7.3.
Applicable Applications for anti-LC3B antibody	ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Positive Samples	HeLa, NIH/3T3, C6
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-125 of human LC3B (Q9GZQ8).
Cellular Location	Cytoplasm, Cytoplasmic vesicle, Endomembrane system, Lipid-anchor, autophagosome, autophagosome membrane, cytoskeleton
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



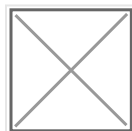
IF (Immunofluorescence)

Immunofluorescence analysis of NIH-3T3 treated by Chloroquine and 293T cells using LC3B Mouse mAb at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



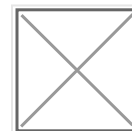
IF (Immunofluorescence)

Immunofluorescence analysis of C6 cells using LC3B Mouse mAb at dilution of 1:100 (40x lens). C6 cells were treated by Chloroquine (50 uM) for 20 hours (left). Blue: DAPI for nuclear staining.



IF (Immunofluorescence)

Immunofluorescence analysis of 293T cells using LC3B Mouse mAb at dilution of 1:100 (40x lens). 293T cells were treated by Chloroquine (50 uM) for 20 hours (left). Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using LC3B antibody at 1:1000 dilution. HeLa cells were treated by Chloroquine (50 uM) at 37 degree C for 20 hours. Secondary antibody: HRP Goat Anti-Mouse IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 180s.

ADDITIONAL INFORMATION

Related Product Information for anti-LC3B antibody	The product of this gene is a subunit of neuronal microtubule-associated MAP1A and MAP1B proteins, which are involved in microtubule assembly and important for neurogenesis. Studies on the rat homolog implicate a role for this gene in autophagy, a process that involves the bulk degradation of cytoplasmic component.
Product Categories/Family for anti-LC3B antibody	Cancer; Signal Transduction; Cell Biology & Developmental Biology; Autophagy; Cytoskeleton; Microtubules; Endocrine & Metabolism; Mitochondrial metabolism; Neuroscience; Cardiovascular; Heart; ATGs; Monoclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	194394237
NCBI GeneID	7429
NCBI Accession #	NP_009058.2
NCBI GenBank Nucleotide #	NM_007127.2
UniProt Accession #	P09327; Q53S11; Q96AC8; B2R9A7
Molecular Weight	46,567 Da
NCBI Official Full Name	villin-1
NCBI Official Synonym Full Names	villin 1
NCBI Official Symbol	VIL1
NCBI Official Synonym Symbols	VIL; D2S1471
NCBI Protein Information	villin-1
UniProt Protein Name	Villin-1
UniProt Gene Name	VIL1
UniProt Synonym Gene Names	VIL
UniProt Entry Name	VILI_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/lc3b-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/282223>