

Rabbit LC3B Monoclonal Antibody | anti-LC3B antibody

[KO Validated] LC3B Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28305	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence

PRODUCT SYNONYMS

LC3B; Monoclonal Antibody; [KO Validated] LC3B Rabbit mAb; MAP1LC3B; ATG8F; MAP1A/1BLC3; MAP1LC3B-a; microtubule associated protein 1 light chain 3 beta; anti-LC3B antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Applicable Applications for anti-LC3B antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	WB 1:500 - 1:2000; IHC 1:50 - 1:200; IF 1:50 - 1:200
Immunogen	A synthetic peptide of human LC3B.
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Positive Samples	293T, C6, NIH/3T3
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



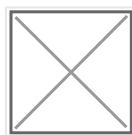
IF (Immunofluorescence)

Immunofluorescence analysis of NIH/3T3 cells, untreated(right) and Chloroquine treated(50 μ M, 37 $^{\circ}$ C for 20 hours;left) using LC3B antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



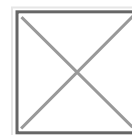
IF (Immunofluorescence)

Immunofluorescence analysis of HeLa cells, untreated(right) and Chloroquine treated(50 μ M, 37 $^{\circ}$ C for 20 hours;left) using LC3B antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



IF (Immunofluorescence)

Immunofluorescence analysis of C6 cells, untreated(right) and Chloroquine treated(50 μ M, 37 $^{\circ}$ C for 20 hours;left) using LC3B antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Mouse spinal cord using LC3B antibody at dilution of 1:100 (40x lens).

**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded Human brain using LC3B antibody at dilution of 1:100 (40x lens).

**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded Rat brain using LC3B antibody at dilution of 1:100 (40x lens).

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.

NCBI AND UNIPROT INFORMATION

UniProt Accession #

[Q9GZQ8](#)

Molecular Weight

Calculated MW 14kDa, 16kDa; Observed MW 14kDa, 16kDa

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-western-blot-immunohistochemistry-immunofluorescence-elisa/28305>