

Rabbit MAP1LC3B Polyclonal Antibody | anti-MAP1LC3B antibody

MAP1LC3B Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40765	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

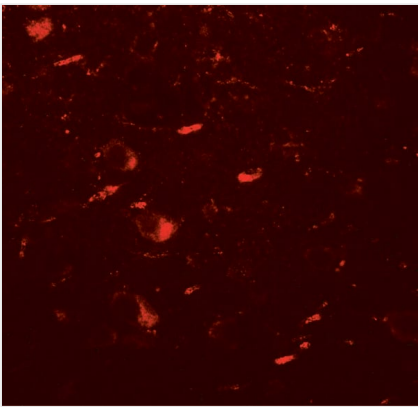
PRODUCT SYNONYMS

MAP1LC3B; Polyclonal Antibody; MAP1LC3B Antibody; LC3B; ATG8F; MAP1LC3B-a; MAP1A/1BLC3; MAP1ALC3; Autophagy-related protein LC3 B; microtubule-associated protein 1 light chain 3 beta; anti-MAP1LC3B antibody

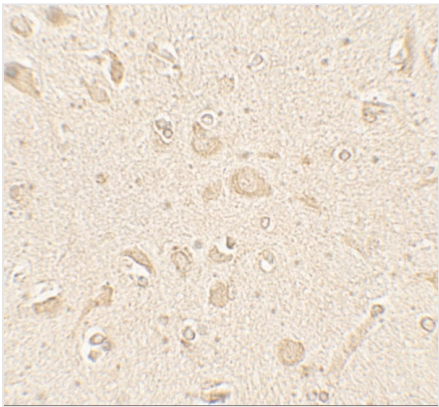
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MAP1LC3B antibody is human, mouse and rat reactive. Multiple isoforms MAP1LC3B are known to exist. MAP1LC3B antibody is predicted to not cross-react with MAP1LC3A or MAP1LC3C
Purity/Purification	MAP1LC3B antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	125
Applicable Applications for anti-MAP1LC3B antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	MAP1LC3B antibody was raised against an 18 amino acid peptide near the amino terminus of human MAP1LC3B.
Buffer	MAP1LC3B antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.

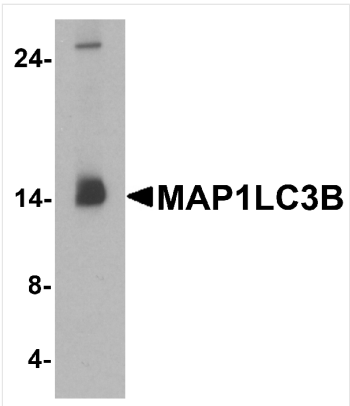
IMAGES



IF (Immunofluorescence)
Immunofluorescence of MAP1LC3B in human brain tissue with MAP1LC3B antibody at 20 µg/mL.



IHC (Immunohistochemistry)
Immunohistochemistry of MAP1LC3B in human brain tissue with MAP1LC3B antibody at 5 µg/mL.



WB (Western Blot)
Western blot analysis of MAP1LC3B in human brain tissue lysate with MAP1LC3B antibody at 1 µg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-MAP1LC3B antibody	Microtubule-associated proteins (MAPs) regulate microtubule stability and play critical roles in neuronal development and plasticity (1). MAP1LC3B belongs to the MAP1 LC3 family and it includes 3 different light chains, LC1, LC2 and LC3 (2). MAP1LC3B is involved in formation of autophagosomal vacuoles (autophagosomes) (3). It is most abundant in heart, brain, skeletal muscle and testis. MAP1LC3B is essential for autophagy and associated to the autophagosome membranes after processing (4).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	12383056
NCBI GeneID	81631
NCBI Accession #	NP_073729
NCBI GenBank Nucleotide #	NM_022818.4
UniProt Accession #	Q9GZQ8; Q6NW02
Molecular Weight	Predicted: 14 kDa Observed: 14 kDa
NCBI Official Full Name	microtubule-associated proteins 1A/1B light chain 3B
NCBI Official Synonym Full Names	microtubule-associated protein 1 light chain 3 beta

NCBI Official Symbol	MAP1LC3B
NCBI Official Synonym Symbols	LC3B; ATG8F; MAP1LC3B-a; MAP1A/1BLC3
NCBI Protein Information	microtubule-associated proteins 1A/1B light chain 3B; MAP1A/MAP1B LC3 B; MAP1A/MAP1B light chain 3 B; MAP1 light chain 3-like protein 2; autophagy-related ubiquitin-like modifier LC3 B
UniProt Protein Name	Microtubule-associated proteins 1A/1B light chain 3B
UniProt Gene Name	MAP1LC3B
UniProt Synonym Gene Names	MAP1ALC3; MAP1A/MAP1B LC3 B
UniProt Entry Name	MLP3B_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/polyclonal/map1lc3b-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/40765>