

Rabbit MAP1LC3 Polyclonal Antibody | anti-MAP1LC3A antibody

MAP1LC3 Antibody

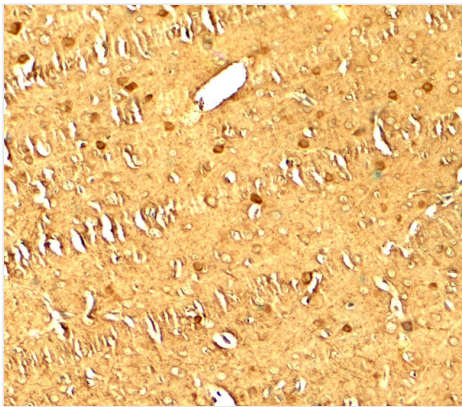
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40592	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

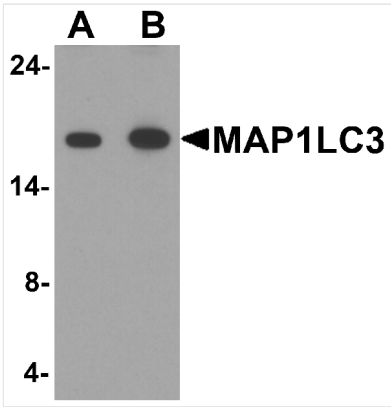
MAP1LC3; Polyclonal Antibody; MAP1LC3 Antibody; LC3; LC3A; ATG8E; MAP1ALC3; MAP1BLC3Autophagy-related protein LC3 A; microtubule-associated protein 1 light chain 3 alpha; anti-MAP1LC3A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MAP1LC3 antibody is human, mouse and rat reactive. Multiple isoforms MAP1LC3 are known to exist. MAP1LC3 antibody is predicted to detect MAP1LC3A, MAP1LC3B, and MAP1LC3C.
Purity/Purification	MAP1LC3 antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	121
Applicable Applications for anti-MAP1LC3A antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	MAP1LC3 antibody was raised against a 12 amino acid peptide near the center of human MAP1LC3A.
Buffer	MAP1LC3 antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	MAP1LC3 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year.



IHC (Immunohiostchemistry)
Immunohistochemistry of MAP1LC3 in rat brain tissue with MAP1LC3 antibody at 5 μg/ml.



WB (Western Blot)
Western blot analysis of MAP1LC3 in human brain tissue lysate with MAP1LC3 antibody at (A) 1 and (B) 2 μg/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-MAP1LC3A antibody	Microtubule-associated proteins (MAPs) regulate microtubule stability and play critical roles in neuronal development and plasticity (1). MAP1LC3 is a subfamily of three related proteins belonging to the MAP1 LC3 family and it includes MAP1LC3A, MAP1LC3B, and MAP1LC3C (2). MAP1LC3 is the mammalian homolog of yeast ATG8 and is essential for autophagy and associated with the autophagosome membranes after processing (3). The three isoforms exhibit distinct expression patterns and both MAP1LC3A and MAP1LC3B but not MAP1LC3B, are post-translationally modified, suggesting the three isoforms may have different physiological functions (4).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	14210522
NCBI GeneID	84557
NCBI Accession #	NP_115903
NCBI GenBank Nucleotide #	NM_032514.3
UniProt Accession #	Q9H492; Q9BXW5; E1P5P4; E1P5P5
Molecular Weight	Predicted: 13 kDa Observed: 18 kDa
NCBI Official Full Name	microtubule-associated proteins 1A/1B light chain 3A isoform a
NCBI Official Synonym Full Names	microtubule-associated protein 1 light chain 3 alpha
NCBI Official Symbol	MAP1LC3A
NCBI Official Synonym Symbols	LC3; LC3A; ATG8E; MAP1ALC3; MAP1BLC3
NCBI Protein Information	microtubule-associated proteins 1A/1B light chain 3A; MAP1A/MAP1B LC3 A; MAP1A/1B light chain 3 A; MAP1A/MAP1B light chain 3 A; MAP1 light chain 3-like protein 1; autophagy-related ubiquitin-like modifier LC3 A
UniProt Protein Name	Microtubule-associated proteins 1A/1B light chain 3A
UniProt Gene Name	MAP1LC3A
UniProt Synonym Gene Names	MAP1A/MAP1B LC3 A
UniProt Entry Name	MLP3A_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/map1lc3-antibody-immunohistochemistry-western-blot-elisa/40592>