

Rabbit anti-Human MAP1LC3A Polyclonal Antibody | anti-MAP1LC3A antibody

MAP1LC3A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40544	Rabbit	Human	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

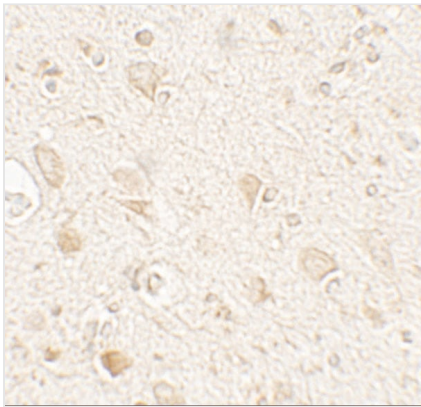
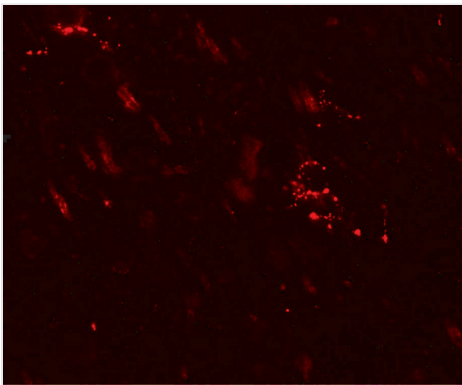
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

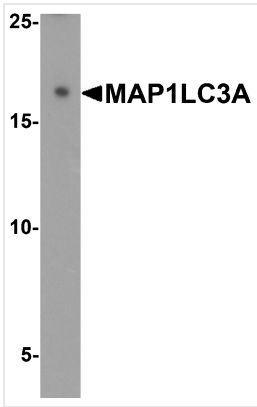
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	MAP1LC3A antibody is human specific. At least two isoforms of MAP1LC3A are known to exist. MAP1LC3A antibody is predicted to not cross-react with MAP1LC3B or MAP1LC3C.
Purity/Purification	MAP1LC3A antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	125
Applicable Applications for anti-MAP1LC3A antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	MAP1LC3A antibody was raised against a 10 amino acid peptide near the amino terminus of human MAP1LC3A.
Buffer	MAP1LC3A antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	MAP1LC3A antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year.

IMAGES



IF (Immunofluorescence)
Immunofluorescence of MAP1LC3A in human brain tissue with MAP1LC3A antibody at 20 μ g/mL.

IHC (Immunohistochemistry)
Immunohistochemistry of MAP1LC3A in human brain tissue with MAP1LC3A antibody at 5 μ g/mL.



WB (Western Blot)
Western blot analysis of MAP1LC3A in 293 cell lysate with MAP1LC3A antibody at 1 μ g/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). MAP1LC3A belongs to the MAP1 LC3 family of proteins that form mature complexes with MAP1A and MAP1B which are thought to be important in the formation and development of axons and dendrites (2). MAP1LC3A is one of three isoforms of MAP1LC3, the mammalian homolog of yeast ATG8, an essential autophagy protein. These isoforms exhibit distinct expression patterns and MAP1LC3A, like MAP1LC3A but not MAP1LC3B, is post-translationally modified, suggesting the three isoforms may have different physiological functions (3).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	31563518
NCBI GeneID	84557
NCBI Accession #	NP_852610
NCBI GenBank Nucleotide #	NM_181509.2
UniProt Accession #	Q9H492; Q9BXW5; E1P5P4; E1P5P5
Molecular Weight	Predicted: 14 kDa Observed: 21 kDa

NCBI Official Full Name	microtubule-associated proteins 1A/1B light chain 3A isoform b
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://www.aaabiotech.com/polyclonal/map1lc3a-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/40544>