

Rabbit MAP1LC3A Polyclonal Antibody | anti-MAP1LC3A antibody

MAP1LC3A antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290930	Rabbit	Human, Mouse, RatPredicted: Zebrafish, Bovine	ELISA, Western Blot

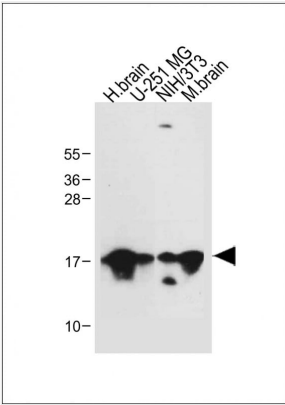
PRODUCT SYNONYMS

MAP1LC3A; Polyclonal Antibody; MAP1LC3A antibody (N-term); Microtubule-associated proteins 1A/1B light chain 3A; Autophagy-related protein LC3 A; Autophagy-related ubiquitin-like modifier LC3 A; MAP1 light chain 3-like protein 1; MAP1A/MAP1B light chain 3 A; MAP1A/MAP1B LC3 A; Microtubule-associated protein 1 light chain 3 alpha; anti-MAP1LC3A antibody

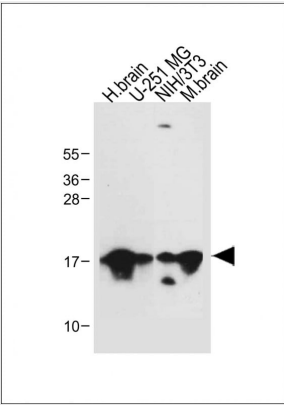
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted: Zebrafish, Bovine
Clonality	Polyclonal
Isotype	Ig
Specificity	This antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 1-40 amino acids from human.
Purity/Purification	Purified through a protein A column, followed by peptide affinity purification.
Form/Format	Supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Length	121
Applicable Applications for anti-MAP1LC3A antibody	ELISA, WB (Western Blot)
Antigen Type	Synthesized Peptide
Antigen Source	Human
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
Dilution: WB - 1:500All lanes: Anti-MAP1LC3A antibody(N-term) at 1:500 dilution Lane 1: Human brain tissue lysate Lane 2: U-251 MG whole cell lysate Lane 3: NIH/3T3 whole cell lysate Lane 4: Mouse brain tissue lysate Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 14 kDa Blocking/Dilution buffer: 5% NFD/MTBST.



WB (Western Blot)
Dilution: WB - 1:2000All lanes: Anti-MAP1LC3A antibody(N-term) at 1:2000 dilution Lane 1: Human brain tissue lysate Lane 2: Mouse brain tissue lysate Lane 3: Rat brain tissue lysate Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 14 kDa Blocking/Dilution buffer: 5% NFD/MTBST.

ADDITIONAL INFORMATION

Related Product Information for anti-MAP1LC3A antibody	Ubiquitin-like modifier involved in formation of autophagosomal vacuoles (autophagosomes). Whereas LC3s are involved in elongation of the phagophore membrane, the GABARAP/GATE-16 subfamily is essential for a later stage in autophagosome maturation.
Product Categories/Family for anti-MAP1LC3A antibody	Signal Transduction
References	He H.,et al.J. Biol. Chem. 278:29278-29287(2003). Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases. Bechtel S.,et al.BMC Genomics 8:399-399(2007). Deloukas P.,et al.Nature 414:865-871(2001). Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

NCBI AND UNIPROT INFORMATION

NCBI GI #	85701362
NCBI GeneID	84557
UniProt Accession #	Q9H492; Q2HJ23; Q91VR7; Q6XVN8; Q6NX90
Molecular Weight	14272 Da
NCBI Official Full Name	Microtubule-associated proteins 1A/1B light chain 3A
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
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.

