

Rabbit anti-Mouse MAP1LC3A/B Polyclonal Antibody | anti-MAP1LC3A/B antibody

RABBIT ANTI HUMAN MAP1LC3A/B (N-TERMINAL)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50090	Rabbit	Mouse	Western Blot, Immunofluorescence

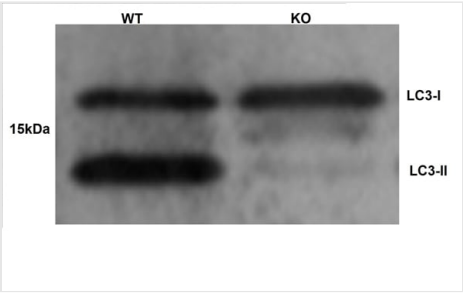
PRODUCT SYNONYMS

MAP1LC3A/B; Polyclonal Antibody; RABBIT ANTI HUMAN MAP1LC3A/B (N-TERMINAL); anti-MAP1LC3A/B antibody

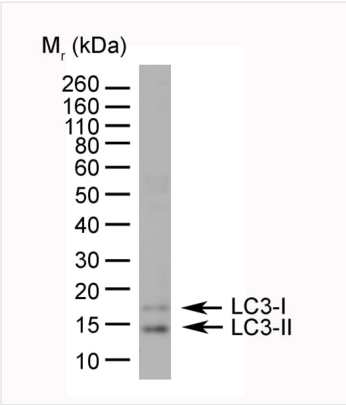
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	IgG
Form/Format	Purified Purified IgG - liquid
Concentration	IgG concentration 1.0mg/ml (varies by lot)
Sequence Length	125
Applicable Applications for anti-MAP1LC3A/B antibody	WB (Western Blot), IF (Immunofluorescence)
Perservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Immunogen	Synthetic peptide sequence PSDRPFKQRRSFADC from the N-Terminal region of LC3A (NP_115903.1; NP_852610.1). Buffer Solution
Antiserum Preparation	Antiserum to human LC3A was raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared by affinity chromatography.
Target Species	Human
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.

IMAGES



Application Data
Western blotting analysis of LC3 expression on Atg5 knockout and wild type cells using Rabbit anti Human MAP1LC3A/B (AAA50090). Image courtesy of Dr. R. Kapito, Stanford University



Application Data
HeLa lysate probed with Rabbit anti Human MAP1LC3A/B (N-terminal) (AAA50090) followed by Sheep anti Rabbit IgG:HRP

ADDITIONAL INFORMATION

Related Product Information for anti-MAP1LC3A/B antibody	Rabbit anti Human MAP1LC3A/B (N-Terminal) antibody specifically recognizes an epitope within the N-Terminal (NT) region of both MAP1LC3A (Microtubule-associated proteins 1A/1B light chain 3A/LC3A) and MAP1LC3B (Microtubule-associated proteins 1A/1B light chain 3B/LC3B), ubiquitin-like proteins and members of the MAP1LC3 family, which are widely used as reliable markers for the monitoring of autophagy. LC3-I is the cytosolic form of LC3, which is converted into the active, membrane-bound form LC3-II, during the autophagy process. Tracking the level of conversion of LC3-I to LC3-II provides an indicator of autophagic activity, and levels of LC3-II in particular, correlate with the extent of autophagosome formation, due to its association with the autophagosome membrane. Rabbit anti Human MAP1LC3A/B (N-Terminal) antibody recognizes both the LC3-I and LC3-II forms of MAP1LC3A and MAP1LC3B.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	12383056
NCBI GeneID	81631
NCBI Accession #	NP_073729.1
NCBI GenBank Nucleotide #	NM_022818.4
Molecular Weight	14,688 Da
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; MAP1 light chain 3-like protein 2; MAP1A/MAP1B LC3 B; MAP1A/MAP1B light chain 3 B; 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.

