

Rabbit APG8b (MAP1LC3B) Polyclonal Antibody | anti-MAP1LC3B antibody

APG8b (MAP1LC3B) Antibody (N-term T29)

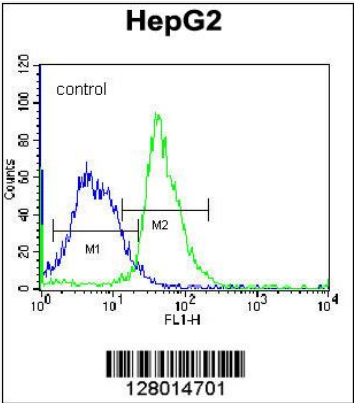
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283816	Rabbit	Human, mouse (Predicted Reactivity: Bovine, Rat)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

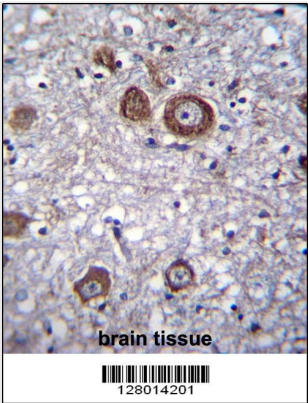
APG8b (MAP1LC3B); Polyclonal Antibody; APG8b (MAP1LC3B) Antibody (N-term T29); Microtubule-associated proteins 1A/1B light chain 3B; Autophagy-related protein LC3 B; Autophagy-related ubiquitin-like modifier LC3 B; MAP1 light chain 3-like protein 2; MAP1A/MAP1B light chain 3 B; MAP1A/MAP1B LC3 B; Microtubule-associated protein 1 light chain 3 beta; MAP1LC3B; MAP1ALC3; anti-MAP1LC3B antibody

PRODUCT SPECIFICATIONS

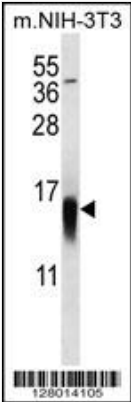
Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Bovine, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This APG8b(MAP1LC3B) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 9-33 amino acids from the N-terminal region of human APG8b(MAP1LC3B).
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.25 (varies by lot)
Sequence Positions	9-33
Sequence Length	125
Applicable Applications for anti-MAP1LC3B antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



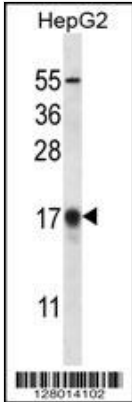
FCM/FACS (Flow Cytometry)
APG8b(MAP1LC3B) Antibody (N-term T29) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemisry)
APG8b(MAP1LC3B) Antibody (N-term T29) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of APG8b(MAP1LC3B) Antibody (N-term T29) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
APG8b(MAP1LC3B) Antibody (T29) western blot analysis in mouse NIH-3T3 cell line lysates (35ug/lane).This demonstrates the APG8b(MAP1LC3B) antibody detected the APG8b(MAP1LC3B) protein (arrow).



WB (Western Blot)
APG8b(MAP1LC3B) Antibody (T29) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the APG8b(MAP1LC3B) antibody detected the APG8b(MAP1LC3B) protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-MAP1LC3B antibody	The product of this gene is a subunit of neuronal microtubule-associated MAP1A and MAP1B proteins, which are involved in microtubule assembly and important for neurogenesis. Studies on the rat homolog implicate a role for this gene in autophagy, a process that involves the bulk degradation of cytoplasmic component.
Product Categories/Family for anti-MAP1LC3B antibody	Cancer; Cardiovascular; Metabolism; Neuroscience; Signal Transduction; Autophagy
References	Rouschop, K.M., et al. J. Clin. Invest. 120(1):127-141(2010) Kirkin, V., et al. Mol. Cell 33(4):505-516(2009) Othman, E.Q., et al. J. Clin. Lab. Anal. 23(4):249-258(2009) Liu, Q., et al. Ai Zheng 27(1):25-29(2008) Komatsu, M., et al. Cell 131(6):1149-1163(2007)

NCBI AND UNIPROT INFORMATION

NCBI GI #	12383056
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NCBI GeneID	81631
NCBI Accession #	NP_073729.1
NCBI GenBank Nucleotide #	NM_022818.4
UniProt Accession #	Q9GZQ8 ; Q6NW02
Molecular Weight	14688
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
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://www.aaabiotech.com/polyclonal/apg8b-map1lc3b-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/283816>