

KD-Validated Anti-MAP1LC3A Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1011

Product Information

Application	WB, ICC
Primary Accession	Q9H492
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB 1960
Calculated MW	14272
Gene Name	MAP1LC3A
Aliases	MAP1LC3A; Microtubule Associated Protein 1 Light Chain 3 Alpha; MAP1BLC3; MAP1ALC3; ATG8E; LC3A; LC3; Microtubule-Associated Proteins 1A/1B Light Chain 3A; 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; Microtubule-Associated Proteins 1A/1B Light Chain 3; Autophagy-Related Protein LC3 A; MAP1A/1B Light Chain 3 A
Immunogen	A synthesized peptide derived from human MAP1LC3A

Additional Information

Gene ID	84557
Other Names	Microtubule-associated protein 1 light chain 3 alpha, Autophagy-related protein LC3 A, Autophagy-related ubiquitin-like modifier LC3 A, MAP1 light chain 3-like protein 1, Microtubule-associated proteins 1A/1B light chain 3A, MAP1A/MAP1B LC3 A, MAP1A/MAP1B light chain 3 A, MAP1LC3A

Protein Information

Name	MAP1LC3A
Function	Ubiquitin-like modifier involved in formation of autophagosomal vacuoles (autophagosomes) (PubMed: 20713600 , PubMed: 24290141). While LC3s are involved in elongation of the phagophore membrane, the GABARAP/GATE-16 subfamily is essential for a later stage in autophagosome maturation (PubMed: 20713600). Through its interaction with the reticulophagy receptor TEX264, participates in the remodeling of subdomains of the endoplasmic reticulum into autophagosomes upon nutrient stress, which then fuse with lysosomes for endoplasmic reticulum turnover (PubMed: 31006537 , PubMed: 31006538).

Cellular Location	Cytoplasmic vesicle, autophagosome membrane; Lipid-anchor. Endomembrane system; Lipid-anchor. Cytoplasm, cytoskeleton {ECO:0000250 UniProtKB:Q91VR7}. Note=LC3-II binds to the autophagic membranes.
Tissue Location	Most abundant in heart, brain, liver, skeletal muscle and testis but absent in thymus and peripheral blood leukocytes

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