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PRODUCT DATASHEET

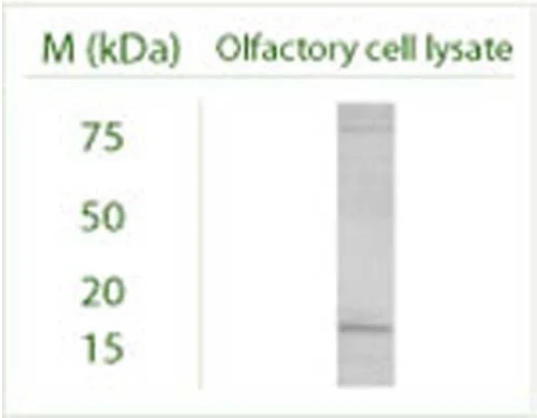
Anti-MAP1LC3B Antibody

Product Details

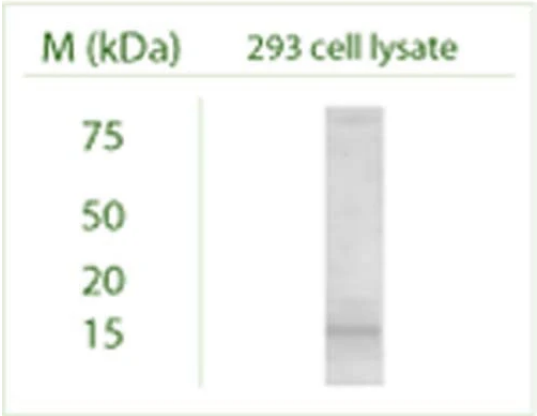
Available Variants	100 µL (SKU:R-155-100)
Conjugate	Unconjugated
Isotype	Mixed
Host Species	Rabbit
Format	Whole serum
Physical State	Lyophilized
Applications	IHC, WB
Dilution Ranges	WB: 1:100-1:1000 IHC: 1:100-1:1000
Species Reactivity	Human, Rat
Immunogen	A synthetic peptide (FEQRVEDVRLIC) corresponding to the N-terminal of human MAP1LC3 B protein conjugated to Blue Carrier Protein has been used as the immunogen. The peptide is homologous with the corresponding sequence derived from mouse and rat MAP1LC3 B protein.
Specificity	IHC, WB and ELISA confirmed the specificity for MAP1LC3 B. Human, rat. Other species not yet tested.
Storage	Spin vial briefly before opening. Reconstitute in 100 µL sterile-filtered, ultrapure water. Centrifuge to remove any insoluble material. After reconstitution keep aliquots at -20°C for a higher stability, and at 2-8°C with an appropriate antibacterial agent. Glycerol (1:1) may be added for an additional stability. Avoid repetitive freeze/thaw cycles.
UniProt ID	Q9GZQ8 UniProt Summary: Ubiquitin-like modifier involved in formation of autophagosomal vacuoles (autophagosomes). Plays a role in mitophagy which contributes to regulate mitochondrial quantity and quality by eliminating the mitochondria to a basal level to fulfill cellular energy requirements and preventing excess ROS production. In response to cellular stress and upon

	mitochondria fission, binds C-18 ceramides and anchors autophagolysosomes to outer mitochondrial membranes to eliminate damaged mitochondria. While LC3s are involved in elongation of the phagophore membrane, the GABARAP/GATE-16 subfamily is essential for a later stage in autophagosome maturation. Promotes primary ciliogenesis by removing OFD1 from centriolar satellites via the autophagic pathway. 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. Upon nutrient stress, directly recruits cofactor JMY to the phagophore membrane surfaces and promotes JMY's actin nucleation activity and autophagosome biogenesis during autophagy.
Country of Origin	United States
Shipping	25°C (ambient)
Expiration	12 months after date of receipt (unopened vial).
Usage Statement	For research use only.
NCBI Gene ID	81631

Product Images



Western blot under reducing conditions on Olfactory cell line (Odora) lysate using Rabbit antibody to MAP1LC3 B : whole serum (R-155-100) at a dilution of 1:100.



Western blot under reducing conditions on 293 cell lysate using Rabbit antibody to MAP1LC3 B : whole serum (R-155-100) at a dilution of 1:100.