

LC3 Antibody FITC Conjugated

Catalog No: #C07642F

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Description

Product Name	LC3 Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	Flow-Cyt IF
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide aa 27-59 121 derived from human LC3
Conjugates	FITC
Target Name	LC3
Other Names	LC3A: 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 Microtubule-associated
Accession No.	Swiss-Prot#Q9H492, Q9GZQ8NCBI Gene ID84557, 81631
Uniprot	Q9H492
GeneID	84557;
Excitation Emission	494nm 518nm
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

Flow-Cyt=2ug/Test IF=1:50-200

Background

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. Whereas 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.

Note: This product is for in vitro research use only