

Product Datasheet

LC3B (8H6) Mouse mAb

Catalog No: AB3591

Reactivity: Human

Isotype: Mouse IgG1

Applications: IHC



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Information

UniProt ID: Q9GZQ8

All Names: ATG8F, MAP1 light chain 3 like protein 2, MAP1A/MAP1B LC3 B, MAP1LC3B

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

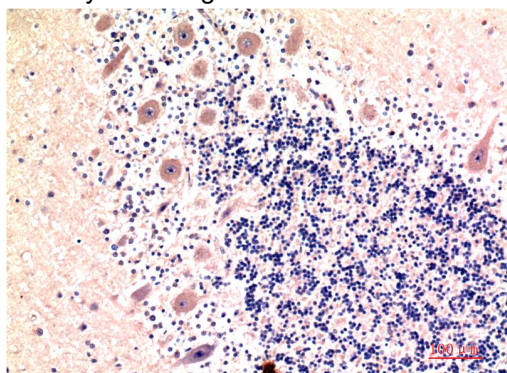
Molecular Wt.: 14,16kDa

Application

IHC: 1/50-1/100

Background

Swiss-Prot Acc.Q9GZQ8. 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.



Immunohistochemistry analysis of paraffinembedded Human Brain Tissue using LC3B (8H6) antibody.

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