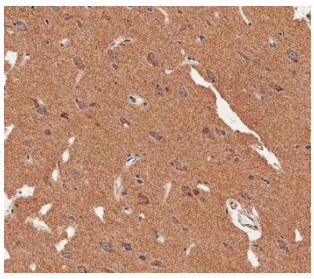
MAP1LC3B Antibody (F54364)

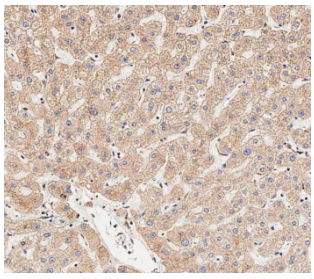
Catalog No.	Formulation	Size
F54364-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54364-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

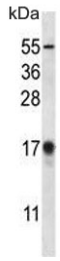
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	Q9GZQ8
Applications	Immunohistochemistry (FFPE): 1:25 Flow cytometry: 1:25 (1x10e6 cells) Western blot: 1:500-1:2000
Limitations	This MAP1LC3B antibody is available for research use only.



IHC testing of FFPE human brain tissue with MAP1LC3B antibody. HIER: steam section in pH9 EDTA for 20 min and allow to cool prior to staining.



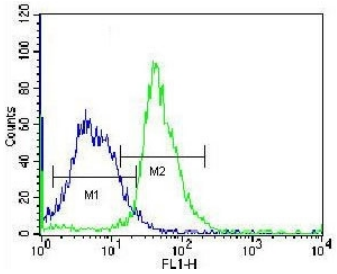
IHC testing of FFPE human liver tissue with MAP1LC3B antibody. HIER: steam section in pH9 EDTA for 20 min and allow to cool prior to staining.



Western blot testing of human HepG2 cell lysate with MAP1LC3B antibody. Predicted molecular weight ~15 kDa.



Western blot testing of mouse NIH 3T3 cell lysate with MAP1LC3B antibody. Predicted molecular weight ~15 kDa.



Flow cytometry testing of fixed and permeabilized human HepG2 cells with MAP1LC3B antibody; Blue=isotype control, Green= MAP1LC3B antibody.

Description

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.

Application Notes

The stated application concentrations are suggested starting points. Titration of the MAP1LC3B antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 9-33 from the human protein was used as the immunogen for the MAP1LC3B antibody.

Storage

Aliquot the MAP1LC3B antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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