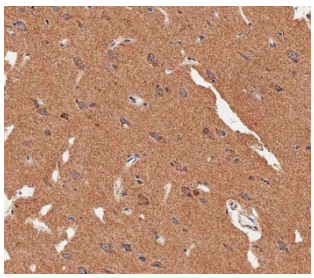
# MAP1LC3B Antibody (F54364)

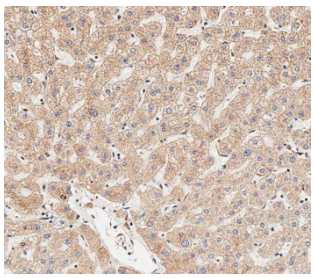
| Catalog No. | Formulation | Size |
|---|---|---|
| F54364-0.4ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.4 ml |
| F54364-0.08ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.08 ml |

**Bulk quote request**

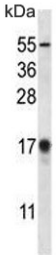
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse |
| **Format** | Purified |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit Ig |
| **Purity** | Antigen affinity purified |
| **UniProt** | Q9GZQ8 |
| **Applications** | Immunohistochemistry (FFPE) : 1:25<br>Flow Cytometry : 1:25 (1x10e6 cells)<br>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.

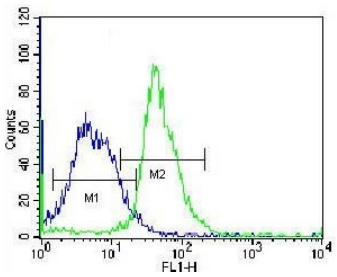


IHC testing of FFPE human liver tissue with MAP1LC3B antibody. HIER: steam section in pH9 EDTA for 20 min and allow to cool prior to staining.




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.