

# MAP1LC3B Mouse Monoclonal Antibody



CAB17424

## Product Information

### Size:

20uL, 50uL, 100uL

### Observed MW:

14-15kDa

### Calculated MW:

15kDa

### Applications:

WB IF

### Reactivity:

Human, Mouse, Rat

## Protein Background

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.

## Immunogen information

### Gene ID:

81631

### Uniprot

Q9GZQ8

### Synonyms:

LC3B; ATG8F; MAP1LC3B-a; MAP1A/1BLC3; MAP1LC3B; LC3A/LC3B

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000 IF 1:50 - 1:200

### Source:

Mouse

### Isotype:

IgG

### Purification:

Affinity purification

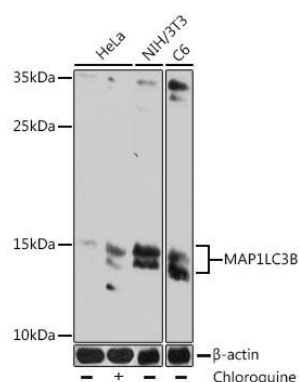
### Immunogen:

Recombinant protein of human MAP1LC3B.

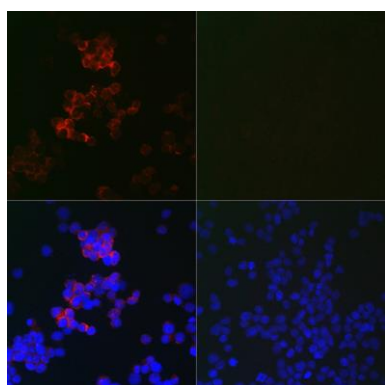
### Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

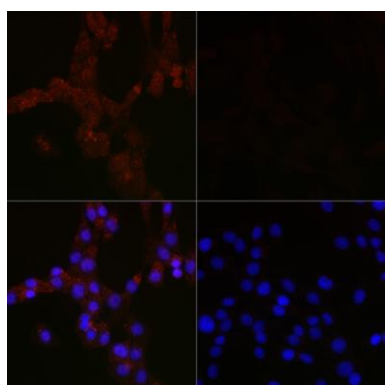
## Product Images



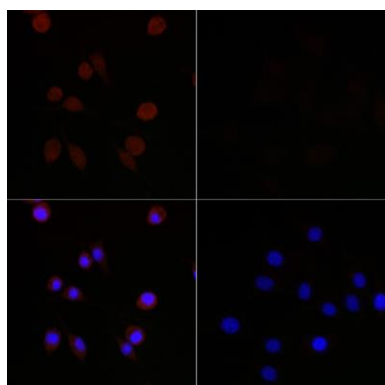
Western blot analysis of extracts of various cell lines, using MAP1LC3B antibody (CAB17424) at 1:1000 dilution. HeLa cells were treated by Chloroquine (50 uM) at 37°C for 20 hours. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 180s.



Immunofluorescence analysis of 293T cells using MAP1LC3B Mouse mAb (CAB17424) at dilution of 1:100 (40x lens). 293T cells were treated by Chloroquine (50 uM) for 20 hours (left). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of C6 cells using MAP1LC3B Mouse mAb (CAB17424) at dilution of 1:100 (40x lens). C6 cells were treated by Chloroquine (50 uM) for 20 hours (left). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH-3T3 treated by Chloroquine and 293T cells using MAP1LC3B Mouse mAb (CAB17424) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.