

# MAP1LC3A Rabbit mAb

Catalog No.: A12319 **Recombinant** **5 Publications**

## Basic Information

### Observed MW

14kDa,16kDa/16kDa

### Calculated MW

14kDa

### Category

Primary antibody

### Applications

WB,IP,ELISA

### Cross-Reactivity

Human, Mouse, Rat

### CloneNo number

ARC2636

## Background

MAP1A and MAP1B are microtubule-associated proteins which mediate the physical interactions between microtubules and components of the cytoskeleton. MAP1A and MAP1B each consist of a heavy chain subunit and multiple light chain subunits. The protein encoded by this gene is one of the light chain subunits and can associate with either MAP1A or MAP1B. Two transcript variants encoding different isoforms have been found for this gene. The expression of variant 1 is suppressed in many tumor cell lines, suggesting that may be involved in carcinogenesis.

## Recommended Dilutions

**WB** 1:1000 - 1:2000

**IP** 0.5µg-4µg antibody for  
200µg-400µg extracts of  
whole cells

**ELISA** Recommended starting  
concentration is 1 µg/mL.  
Please optimize the  
concentration based on  
your specific assay  
requirements.

## Contact

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## Immunogen Information

### Gene ID

84557

### Swiss Prot

Q9H492

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human MAP1LC3A (Q9H492).

### Synonyms

LC3; LC3A; ATG8E; MAP1ALC3; MAP1BLC3; MAP1LC3A

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

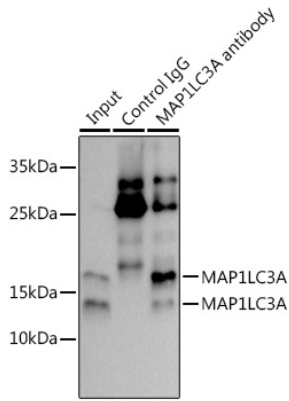
Affinity purification

### Storage

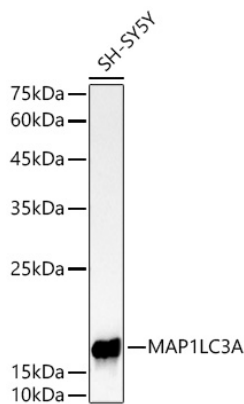
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

## Validation Data



Immunoprecipitation analysis of 300 µg extracts of NIH/3T3 cells using 3 µg MAP1LC3A antibody (A12319). Western blot was performed from the immunoprecipitate using MAP1LC3A antibody (A12319) at a dilution of 1:1000. NIH/3T3 cells were treated by Chloroquine (50 µM) at 37°C for 20 hours.



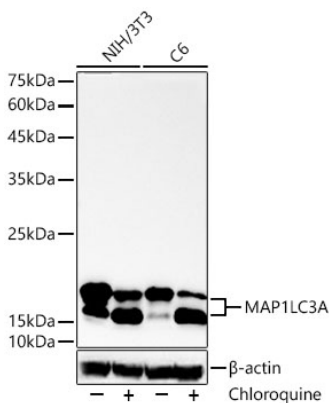
Western blot analysis of lysates from SH-SY5Y cells using MAP1LC3A Rabbit mAb (A12319) at 1:1000 dilution.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 10s.



Western blot analysis of lysates from NIH/3T3, C6 cells using MAP1LC3A Rabbit mAb (A12319) at 1:1000 dilution. NIH/3T3 cells and C6 cells were treated by Chloroquine (50 µM) at 37°C for 20 hours.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 180s.