
Product Name: MAP1LC3B Mouse Monoclonal Antibody**Catalog #: AMM81130**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	IHC,ICC,ELISA,FC
Reactivity	Human,Mouse,Rat,Monkey
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	PBS containing 0.03% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	IHC 1:50-1:100,ICC 1:50-1:100,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	14.6kDa

Antigen Information

Gene Name	MAP1LC3B
Alternative Names	LC3B; ATG8F; MAP1A/1BLC3
Gene ID	81631.0
SwissProt ID	Q9GZQ8
Immunogen	Purified recombinant fragment of human MAP1LC3B expressed in E. Coli.

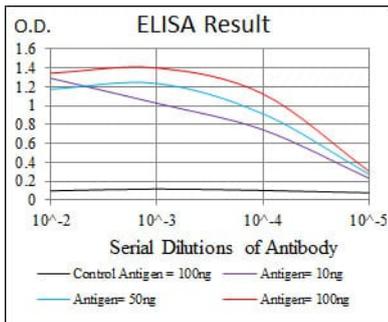
Background

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.

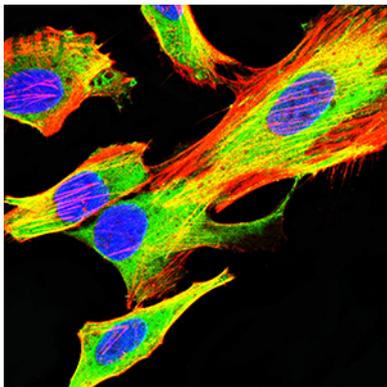
Research Area

Autophagy

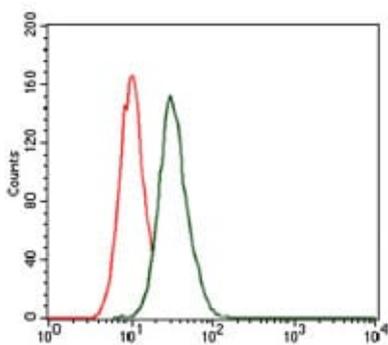
Image Data



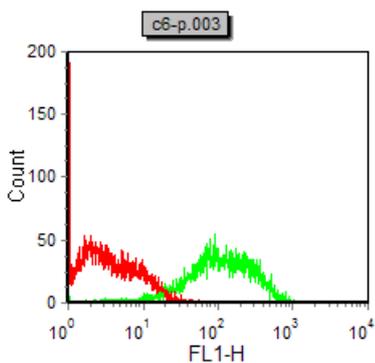
Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



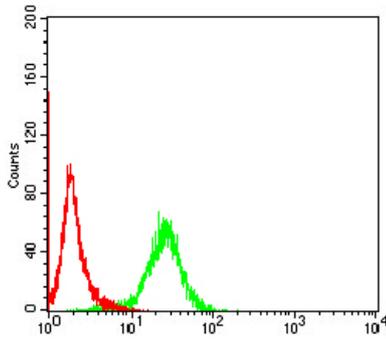
Immunofluorescence analysis of HeLa cells using MAP1LC3B mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



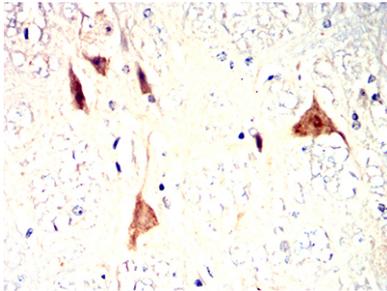
Flow cytometric analysis of HeLa cells using MAP1LC3B mouse mAb (green) and negative control (red).



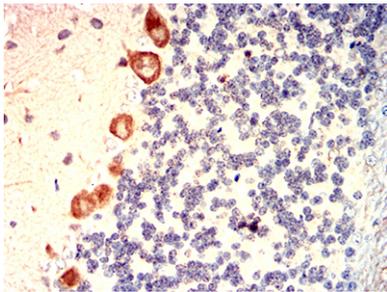
Flow cytometric analysis of C6 cells using MAP1LC3B mouse mAb (green) and negative control (red).



Flow cytometric analysis of NIH/3T3 cells using MAP1LC3B mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded Mouse cerebellum using MAP1LC3B mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded Rat cerebellum using MAP1LC3B mouse mAb with DAB staining.