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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.

Immunogen Information

Gene ID
84557

Swiss Prot
Q9H492

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
LC3; LC3A; ATG8E; MAP1ALC3; MAP1BLC3; MAP1LC3A

Contact

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Product Information

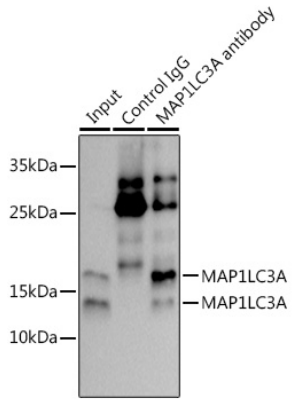
Source
Rabbit

Isotype
IgG

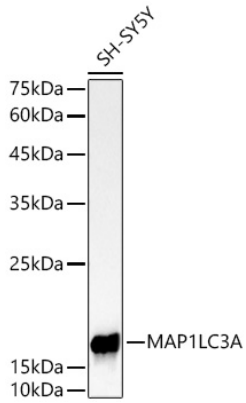
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

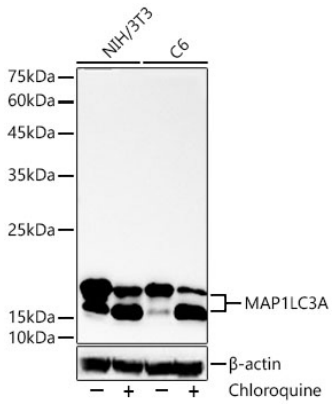
Validation Data



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 with Chloroquine (50 µM) at 37℃ 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 with Chloroquine (50 µM) at 37℃ 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.