Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

LC3B Antibody (MAP1LC3B)

Catalog No: tcna2826

Available Sizes

Size: 0.08ml

Size: 0.4ml

Specifications

Application:
IF, ICC, ELISA

Species Reactivity:
Human, Mouse

Host Species:
Rabbit

Immunogen / Amino acids:
A portion of amino acids 89-122 from the human protein was used as the immunogen for this LC3B antibody.

Conjugation:
Antigen affinity purified

Clonality:
Polyclonal

Isotype:
Rabbit Ig

Form:
Liquid

Storage Buffer:
In 1X PBS pH 7.4 with 0.09% sodium azide

Recommended Dilution:

Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

Immunofluorescence: 1:10-1:100
Immunocytochemistry: 1:10-1:50Titration of the LC3B antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Storage Instruction:
Aliquot the LC3B antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

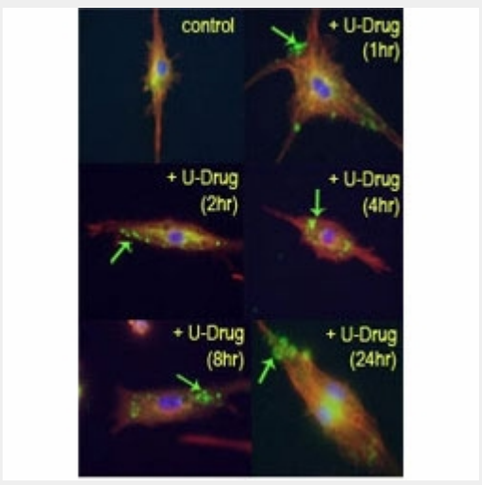
SwissProt:
Q9GZQ8

References

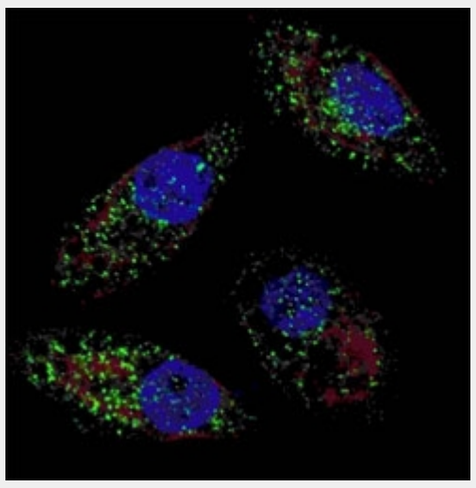
Antigen affinity purified

Product Description

MAP1A and MAP1B each consist of a heavy chain subunit and multiple light chain subunits. MAP1LC3B is one of the light chain subunits and can associate with either MAP1A or MAP1B. It is a Ubiquitin-like modifier involved in formation of autophagosomal vacuoles (autophagosomes). LC3B plays a role in mitophagy which contributes to regulate mitochondrial quantity and quality by eliminating the mitochondria to a basal level to fulfill cellular energy requirements and preventing excess ROS production.



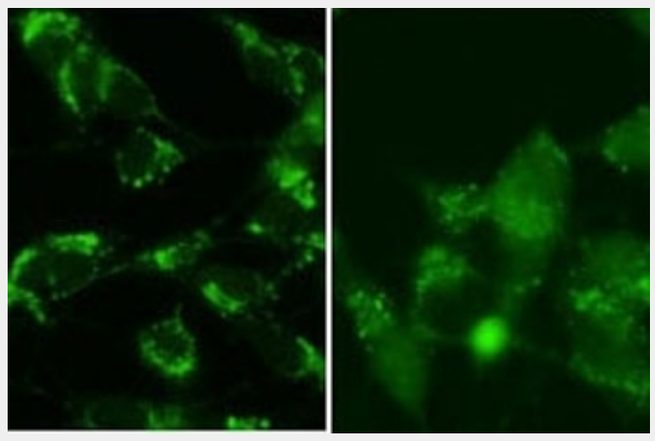
Mouse leukaemic monocyte macrophage cells treated with drug U18666A, causing cholesterol and lipid storage in cells, blocking fusion between late endosomes and lysosomes. LC3B antibody detected punctuate staining indicative of autophagic vacuole or phagosome structures.



Fluorescent image of U251 cells stained with LC3B antibody at 1:100. Immunoreactivity is localized to autophagic vacuoles in the cytoplasm.

Taiclone®
Quality Guarantee

Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com



SY5Y cells were pretreated with 5nM bafilomycin for 24hr and fixed in methanol (left panel) or 4% of paraformaldehyde (right panel). Testing with LC3B antibody at dilution 1:100. Data courtesy of Jianhui Zhu, MD, PhD & Charleen T. Chu, MD, PhD, University of Pittsburgh School of Medicine.