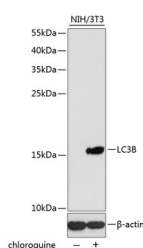


LC3B Polyclonal Antibody

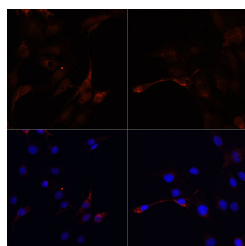
Catalog No.	E-AB-63824	Reactivity	H,M,R
Storage	Store at -20°C. Avoid freeze / thaw cycles.	Host	Rabbit
Applications	WB,IF	Isotype	IgG

Note: Centrifuge before opening to ensure complete recovery of vial contents.

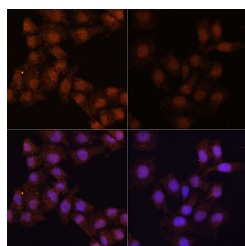
Images



Western blot analysis of extracts of NIH/3T3 cells using LC3B Polyclonal Antibody at dilution of 1:1000. NIH/3T3 cells were treated by Chloroquine (50 μ M) for 20 hours.



Immunofluorescence analysis of C6 cells using LC3B Polyclonal Antibody at dilution of 1:100. C6 cells were treated by Chloroquine (50 μ M) for 20 hours(left). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of HeLa cells using LC3B Polyclonal Antibody at dilution of 1:100. HeLa cells were treated by Chloroquine (50 μ M) for 20 hours(left). Blue: DAPI for nuclear staining.

Immunogen Information

Immunogen	A synthetic peptide of human LC3B (NP_073729.1).
GeneID	81631
Swissprot	Q9GZQ8
Synonyms	LC3B,ATG8F,MAP1LC3B-a,MAP1A/1BLC3,MAP1LC3B,LC3A/LC3B

Product Information

Calculated MW	14kDa
Observed MW	14kDa/16kDa
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purify	Affinity purification
Dilution	WB 1:500-1:2000 IF 1:50-1:200

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.

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staining.

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