

## Product Data Sheet: MAP1LC3b

**Cat. No:** AB-84132

Conjugate: Unconjugated

Size: 100 ug
Clone: POLY
Concentration: 1mg/ml

Host: Rb Isotype: IgG

**Immunogen:** A synthetic peptide corresponding to a sequence within amino acids 1-100 of

human LC3B

Reactivity: Hu, Ms, Rt

Western Blot: 1:500 - 1:1000

**Applications:** Immunohistochemistry: 1:50 – 1:100

Immunofluorescence: 1:50 - 1:100

**Molecular Weight:** 16kDa **Purification:** Purified

**Synonyms:** MAP1LC3B; ATG8F; LC3B; MAP1A/1BLC3; MAP1LC3B-a; microtubule associated

protein 1 light chain 3 beta

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

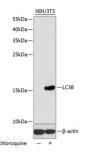
component.

Form: Liquid

**Background:** 

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

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



Western blot analysis of extracts of NIH/3T3 cells, using LC3B antibody at 1:1000 dilution.

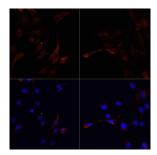
NILL/STS

NIH/3T3

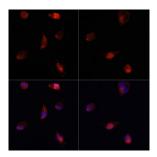
cells were treated by Chloroquine (50  $\,$   $\mu\text{M})$  for 20 hours.

Secondary antibody: HRP Goat Anti-Rabbit IgG

(H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane Blocking buffer: 3% nonfat dry milk



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

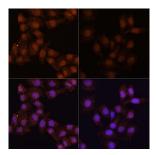


Immunofluorescence analysis of NIH/3T3 cells using LC3B antibody at dilution of 1:100. NIH/3T3 cells were treated by Chloroquine (50 µM) for 20 hours(left). Blue: DAPI for nuclear staining.



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inTBST
Detection: ECL West Pico Plus
Exposure time: 3min.



Immunofluorescence analysis of HeLa cells using LC3B antibody at dilution of 1:100. Hela cells were treated by Chloroquine (50  $\mu$ M) for 20 hours(left). Blue: DAPI for nuclear staining.

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