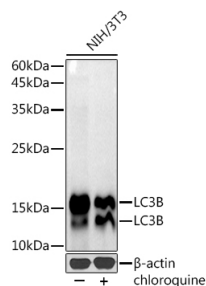
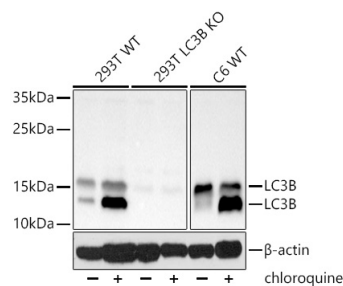


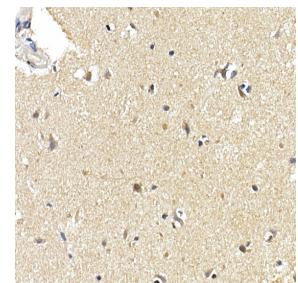
| | |
|--------------------------|--|
| Cat. No: | AB-84447 |
| Conjugate: | Unconjugated |
| Size: | 100 ug |
| Clone: | POLY |
| Concentration: | 1mg/ml |
| Host: | Rb |
| Isotype: | IgG |
| Immunogen: | Recombinant fusion protein containing a sequence corresponding to amino acids 2-107 of human LC3B. |
| Reactivity: | Human, Mouse, Rat |
| Applications: | Western Blot: 1:500 - 1:2000 Immunohistochemistry: 1:50 - 1:200 Immunofluorescence / Immunocytochemistry: 1:50 - 1:200 Immunoprecipitation: 1:50 - 1:200 |
| Molecular Weight: | 14KDa/16KDa |
| Purification: | Aff. Pur. |
| Synonyms: | LC3B;ATG8F;MAP1LC3B-a;MAP1A/1BLC3;MAP1LC3B;LC3A/LC3B |
| 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. |
| Form: | Liquid |
| Buffer: | PBS with 0.05% proclin300,0.05% BSA,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. NIH/3T3 cells were treated by Chloroquine (50 μ M) at 37°C for 20 hours.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.



Western blot analysis of extracts from wild type (WT) and [KO Validated] LC3B Rabbit mAb knockout (KO) 293T cells, using [KO Validated] LC3B Rabbit mAb at 1:1000 dilution. 293T and C6 cells were treated by Chloroquine (50 μ M) at 37°C for 20 hours.
Secondary antibody: HRP Goat Anti-



Immunohistochemistry of paraffinembedded human brain using [KO Validated] LC3B Rabbit mAb at dilution of 1:100(40x ens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

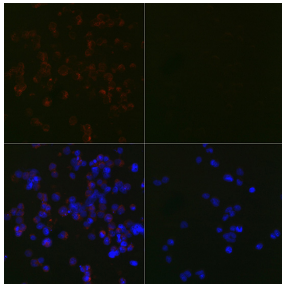
Blocking buffer: 3% nonfat dry milk in
TBST.

Detection: ECL West Pico Plus.
Exposure time: 60s.

Rabbit IgG (H+L) (AS014) at 1:10000
dilution.

Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in
TBST.

Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.



Immunofluorescence analysis of 293T
Treated with Chloroquine and 293T cells
using [KO Validated] LC3B Rabbit mAb
at dilution of 1:100 (40x lens).
Blue: DAPI for nuclear staining.

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