

## Product datasheet for **TA378235**

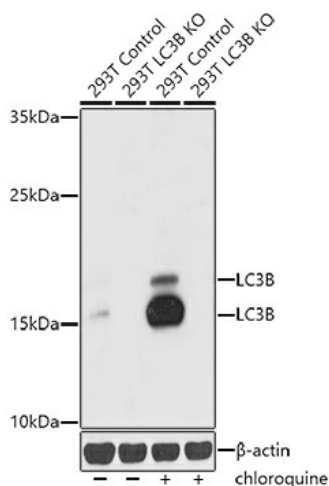
### LC3B (MAP1LC3B) Rabbit Polyclonal Antibody

#### Product data:

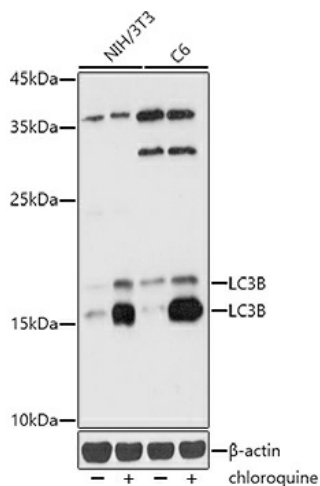
|                         |  |
|-------------------------|--|
| Product Type:           | Primary Antibodies   |
| Applications:           | ICC/IF, IHC, WB  |
| Recommended Dilution:   | WB,1:500 - 1:2000<br>IHC,1:50 - 1:200<br>IF,1:50 - 1:200   |
| Reactivity:             | Human, Mouse, Rat  |
| Modifications:          | Unmodified   |
| Host:                   | Rabbit   |
| Isotype:                | IgG  |
| Clonality:              | Polyclonal   |
| Immunogen:              | A synthetic peptide of human LC3B  |
| Formulation:            | Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.  |
| Concentration:          | lot specific   |
| Purification:           | Affinity purification  |
| Conjugation:            | Unconjugated   |
| Storage:                | Store at -20°C. Avoid freeze / thaw cycles.  |
| Stability:              | Shelf life: one year from despatch.  |
| Predicted Protein Size: | 14kDa  |
| Gene Name:              | microtubule associated protein 1 light chain 3 beta  |
| Database Link:          | <a href="#">Entrez Gene 81631 Human Q9GZQ8</a>   |
| 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. |
| Synonyms:               | LC3B; MAP1A/1BLC3; MAP1ALC3  |



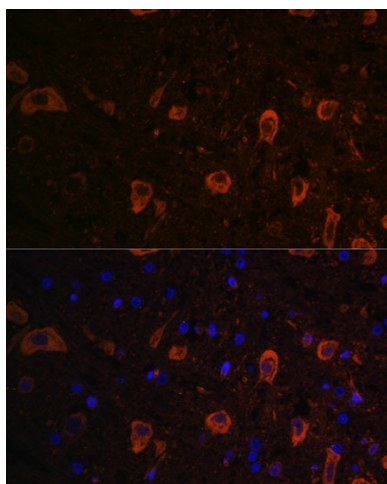
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**Product images:**


Western blot analysis of extracts from normal (control) and LC3B knockout (KO) 293T, 293T+chloroquine cells, using LC3B antibody (TA378235) at 1:1000 dilution. 293T cells were treated by Chloroquine (50  $\mu$ 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. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Basic Kit. | Exposure time: 10s.



Western blot analysis of extracts of various cell lines, using LC3B antibody (TA378235) at 1:1000 dilution. NIH/3T3 and C6 cells were treated by Chloroquine (50  $\mu$ 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. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Basic Kit. | Exposure time: 1s.



Immunofluorescence analysis of rat brain using LC3B antibody (TA378235) at dilution of 1:100. Blue: DAPI for nuclear staining.

