

## Product datasheet for **TA378235**

### LC3B (MAP1LC3B) Rabbit Polyclonal Antibody

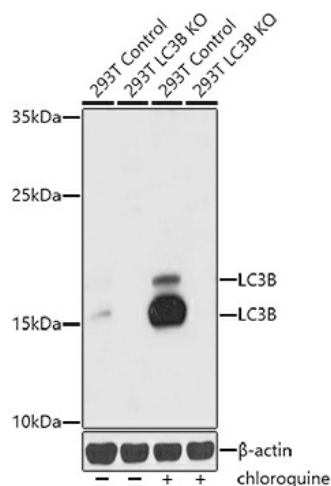
#### Product data:

Product Type:	Primary Antibodies
Applications:	ICC/IF, IHC, WB
Recommended Dilution:	WB, 1:500 - 1:2000 IHC, 1:50 - 1:200 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 0.09% Sodium azide, 50% glycerol, pH 7.3.
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</a> <a href="#">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

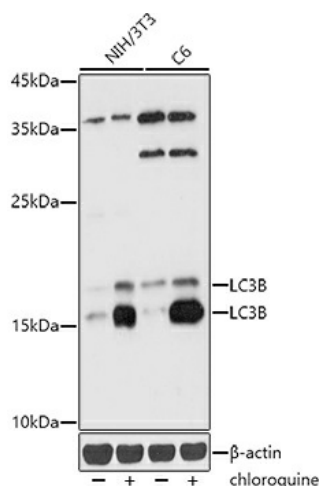


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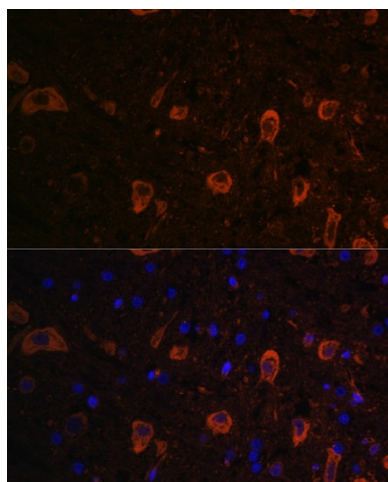
## Product images:



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.

