Anti-LC3B Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P100700

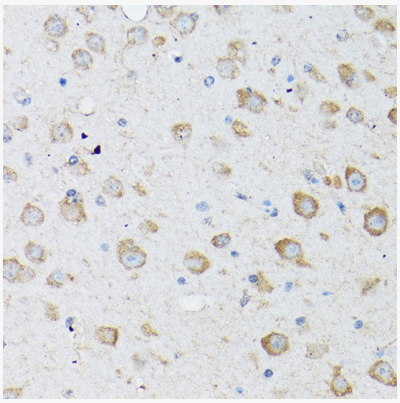
Product Information

Application	WB, IHC-P, IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:1000; IHC-P 1:50~1:200; IF 1:50~1:200
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-100 of human LC3B (NP_073729.1).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-LC3B Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

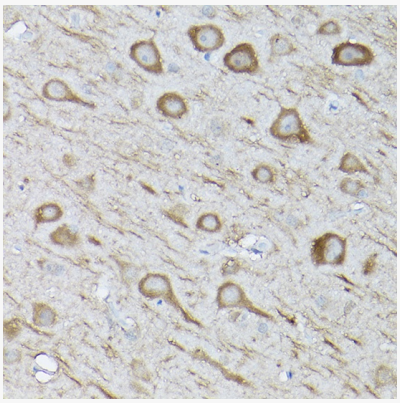
Protein Information

Synonyms	LC3B; ATG8F; MAP1LC3B-a; MAP1A/1BLC3.
Calculated MW	Calculated MW: 15 kDa; Observed MW: 14 kDa,16 kDa/
Uniprot ID	Q9GZQ8
Gene ID	81631
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.

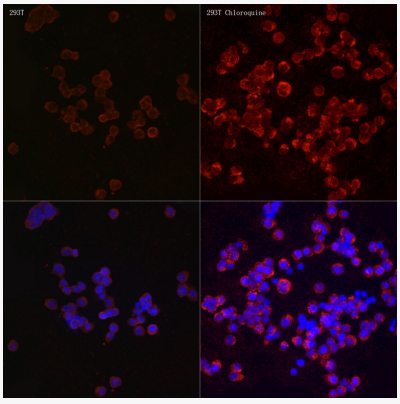
Validation Images



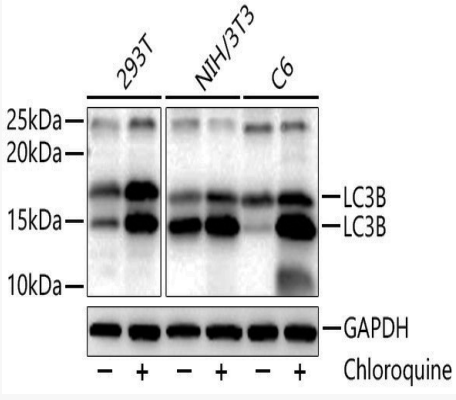
Immunohistochemistry analysis of paraffin-embedded Mouse brain using LC3B Rabbit pAb (P100700) at dilution of 1:100 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



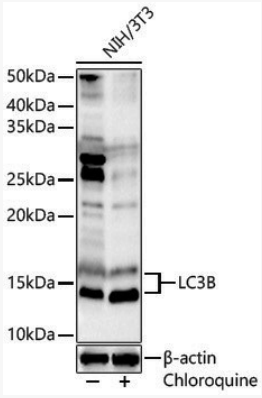
Immunohistochemistry analysis of paraffin-embedded Rat brain using LC3B Rabbit pAb (P100700) at dilution of 1:100 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



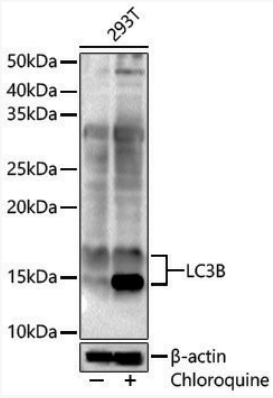
Immunofluorescence analysis of 293T and 293T Chloroquine cells using LC3B Rabbit pAb (P100700) at dilution of 1:100 (40× lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



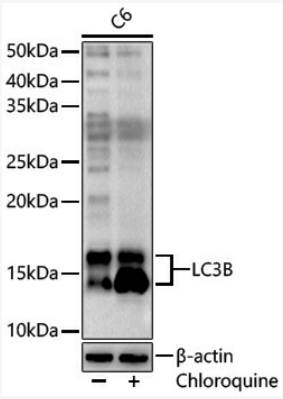
Western blot analysis of various lysates using LC3B Rabbit pAb (P100700)at 1:1,000 dilution incubated overnight at 4°C. 293T,NIH/3T3,C6 cells were treated by Chloroquine at 37°C for 48 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 30 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 30s.



Western blot analysis of lysates from NIH/3T3 cells using LC3B Rabbit pAb (P100700) at 1:1,000 dilution. NIH/3T3 cells were treated by Chloroquine (50 μM) at 37°C for 20 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25 μg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 60s.



Western blot analysis of lysates from 293T cells using LC3B Rabbit pAb (P100700) at 1:1,000 dilution. 293T cells were treated by Chloroquine (50 μM) at 37°C for 20 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25 μg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 60s.



Western blot analysis of lysates from C6 cells using LC3B Rabbit pAb (P100700) at 1:1,000 dilution. C6 cells were treated by Chloroquine (50 μM) at 37°C for 20 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25 μg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 60s.