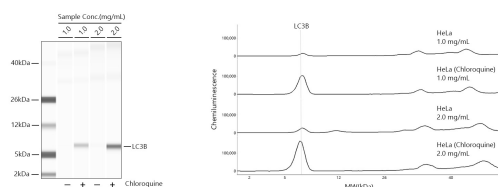
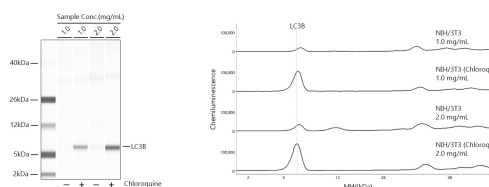




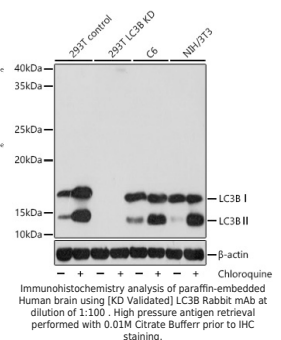
Product name:	[KD Validated] LC3B Rabbit mAb
Cat number:	AB19665
Conjugate:	Unconjugated
Size:	100 ug
Clone:	ARC0144
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 2-107 of human LC3B (Q9GZQ8).
Reactivity:	Human,Mouse,Rat
Applications:	WB,1:1000 - 1:4000 IHC-P,1:100 - 1:500 IF/ICC,1:200 - 1:800 IP,0.5µg-4µg antibody for 200µg-400µg extracts of whole cells ELISA,Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
Molecular Weight:	14kDa/16kDa
Purification:	Affinity purification
Form:	liquid
Buffer:	PBS with 0.09% sodium azid,0.05% BSA,50% glycerol,pH7.3.
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
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.



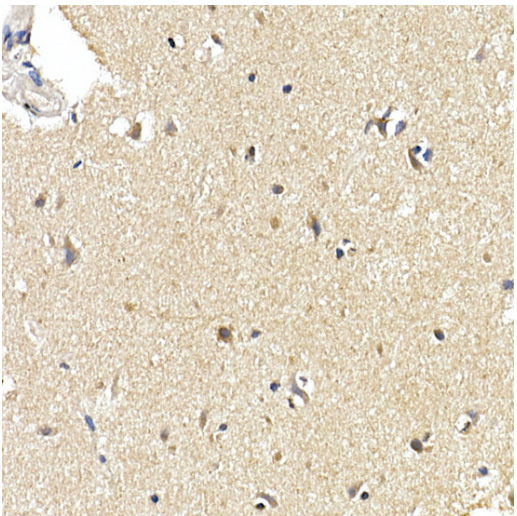
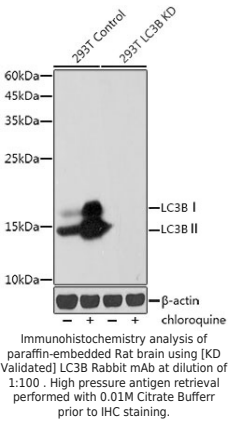
Western blot analysis of various lysates, using [KD Validated] LC3B Rabbit mAb at 1:1000 dilution. 293T, C6 and NIH/3T3 cells were treated by Chloroquine at 37°C for 20 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 5s.



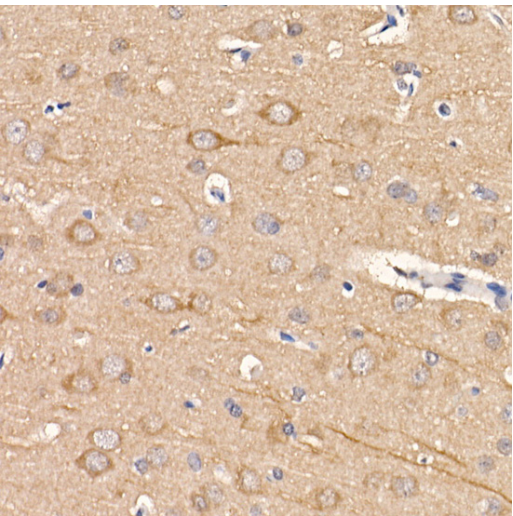
Western blot analysis of lysates from wild type and LC3B knockdown 293T cells, using [KD Validated] LC3B Rabbit mAb at 1:1000 dilution. wild type and LC3B knockdown 293T cells were treated by Chloroquine at 37°C for 20 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 30s.



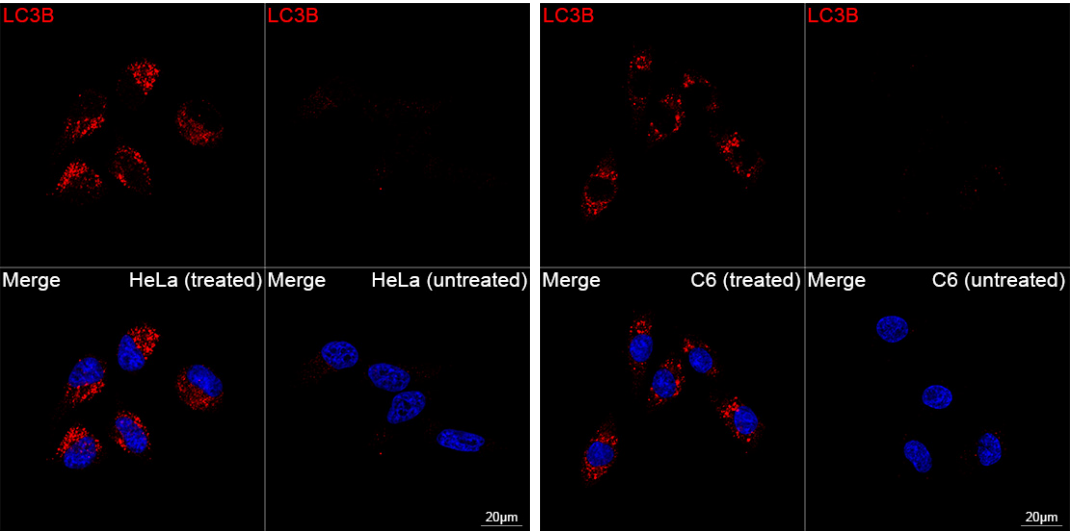
Immunohistochemistry analysis of paraffin-embedded Human brain using [KD Validated] LC3B Rabbit mAb at dilution of 1:100. High pressure antigen retrieval performed with 0.01M Citrate Buffer prior to IHC staining.



Confocal imaging of HeLa cells and HeLa cells using [KD Validated] LC3B Rabbit mAb followed by a further incubation with Cy3 Goat Anti-Rabbit IgG . DAPI was used for nuclear staining . Objective: 100x.



Confocal imaging of C6 cells and C6 cells using [KD Validated] LC3B Rabbit mAb followed by a further incubation with Cy3 Goat Anti-Rabbit IgG . DAPI was used for nuclear staining . Objective: 100x.



Confocal imaging of NIH/3T3 cells and NIH/3T3 cells using [KD Validated] LC3B Rabbit mAb followed by a further incubation with Cy3 Goat Anti-Rabbit IgG . DAPI was used for nuclear staining . Objective: 100x.

Immunoprecipitation analysis of 300 µg extracts from 293T cells using 3 µg [KD Validated] LC3B Rabbit mAb . Western blot was performed from the immunoprecipitate using LC3B antibody at a dilution of 1:1000.