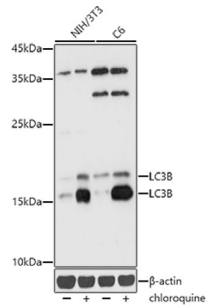
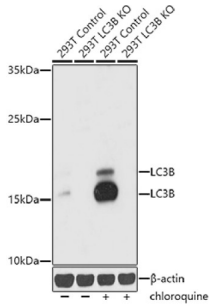
Microtubule-Associated Proteins 1A/1B Light Chain 3B (MAP1LC3B) Antibody

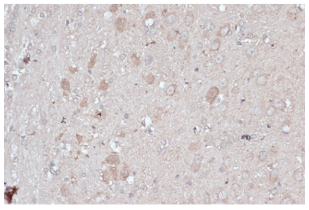
Catalogue No.:abx005432



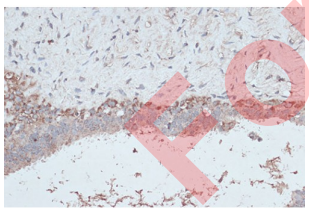
Western blot analysis of various lysates using [KD Validated] LC3B Antibody at 1/1000 dilution. NIH/3T3 and C6 cells were treated by Chloroquine (50 μM) at 37 °C for 20 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 μg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Exposure time: 1s.



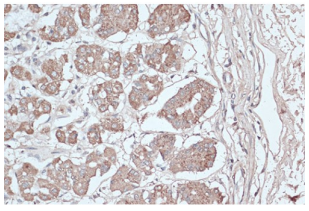
Western blot analysis of lysates from wild type (WT) and LC3B knockdown (KD) 293T, 293T+chloroquine cells, using [KD Validated] LC3B Antibody at 1/1000 dilution. 293T cells were treated by Chloroquine (50 μM) at 37 °C for 20 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 μg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Exposure time: 10s.



Immunohistochemistry analysis of paraffin-embedded Rat brain using [KD Validated] LC3B Antibody at dilution of 1/100 (40x lens). Microwave antigen retrieval performed in 0.01 M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human breast cancer using [KD Validated] LC3B Antibody at dilution of 1/100 (40x lens). Microwave antigen retrieval performed in 0.01 M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human stomach using [KD Validated] LC3B Antibody at dilution of 1/100 (40x lens). Microwave antigen retrieval performed in 0.01 M PBS Buffer (pH 7.2) prior to IHC staining.

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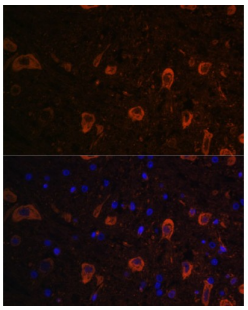

Immunofluorescence analysis of paraffin-embedded rat brain using [KD Validated] LC3B Antibody at dilution of 1/100. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1/500 dilution. Blue: DAPI for nuclear staining.

MAP1LC3B Antibody is a Rabbit Polyclonal antibody against MAP1LC3B. 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.

Target:	Microtubule-Associated Proteins 1A/1B Light Chain 3B (MAP1LC3B)
Clonality:	Polyclonal
Reactivity:	Human, Mouse, Rat
Tested Applications:	ELISA, WB, IHC, IF/ICC
Host:	Rabbit
Recommended dilutions:	ELISA: 1 µg/ml, WB: 1/500 - 1/1000, IHC-P: 1/50 - 1/200, IF/ICC: 1/50 - 1/200. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Synthetic peptide corresponding to MAP1LC3B. The exact sequence is proprietary.
Isotype:	IgG
Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	Q9GZQ8 (UniProt, ExPASy)
Gene Symbol:	MAP1LC3B
GeneID:	81631

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NCBI Accession:	NP_073729.1
String:	9606.ENSP00000268607
Molecular Weight:	Calculated MW: 15 kDa Observed MW: 14/16 kDa
Buffer:	PBS, pH 7.3, containing 0.09% sodium azide, 50% glycerol.
Concentration:	> 0.2 mg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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