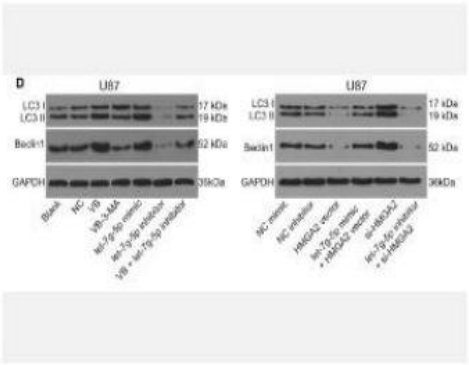
PRODUCT DATA SHEET

LC3B Polyclonal Antibody

Catalog No.	IPB0088
Reactivity	Human; Mouse; Rat
Applications	WB; IF/ICC; IHC-p
Dilution	WB: 1:1000-2000 IHC: 1:50-1:200 IF: 1:50-1:200
Gene Name	MAP1LC3B
Protein Name	Microtubule-associated proteins 1A/1B light chain 3B
Human Gene Id	81631
Swiss-Prot	Q9GZQ8
Formulation	PBS, pH 74, containing 05%BSA, 002% sodium azide as Preservative and 50% Glycerol
Source	Rabbit
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Concentration	-
Storage&Stability	-20°C/1 year
Subcellular Location	Cytoplasmic vesicle, autophagosome membrane; Lipid-anchor Endomembrane system; Lipid-anchor Mitochondrion membrane; Lipid-anchor Cytoplasm, cytoskeleton Cytoplasmic vesicle LC3-II binds to the autophagic membranes LC3-II localizes with the mitochondrial inner membrane during Parkin-mediated mitophagy (PubMed:28017329) Localizes also to discrete punctae along the ciliary axoneme
MW	-
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

Products Images:



Jia, Wei-Qiang, et al. "Verbascoside inhibits progression of glioblastoma cells by promoting Let-7g-5p and down-regulating HMGA2 via Wnt/beta-catenin signalling blockade." Journal of cellular and molecular medicine 24.5 (2020): 2901-2916.

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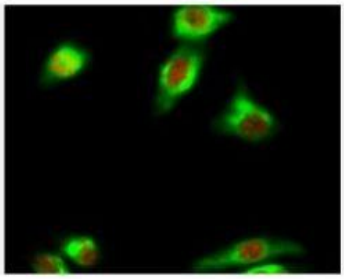
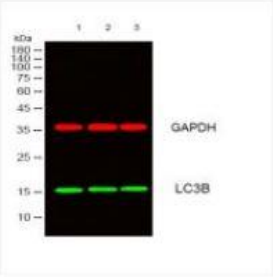
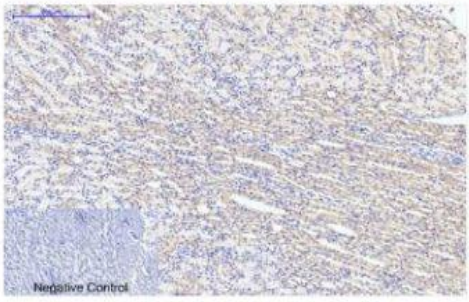


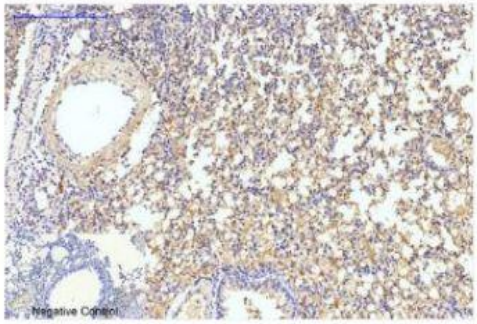
Immunofluorescence analysis of Hela cell. 1,Cleaved-PARP-1 (D214) Polyclonal Antibody(red) was diluted at 1:200(4° overnight). LC3B Polyclonal Antibody(green) was diluted at 1:200(4° overnight). 2, Goat Anti Rabbit Alexa Fluor 594 Catalog:RS3611 was diluted at 1:1000(room temperature, 50min). Goat Anti Mouse Alexa Fluor 488 Catalog:RS3208 was diluted at 1:1000(room temperature, 50min).



Western blot analysis of lysates from 1) Hela, 2) 3T3, 3) Rat Brain Tissue cells, (Green) primary antibody was diluted at 1:1000, 4°over night, secondary antibody(cat:RS23920)was diluted at 1:10000, 37° 1hour. (Red) GAPDH Monoclonal Antibody(2B8) (cat:YM3029) antibody was diluted at 1:5000 as loading control, 4° over night,secondary antibody(cat:RS23710)was diluted at 1:10000, 37° 1hour.



Immunohistochemical analysis of paraffin-embedded Rat-kidney tissue. 1,LC3B Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Mouse-lung tissue. 1,LC3B Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.

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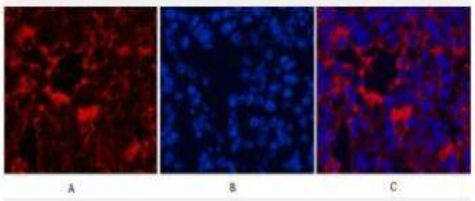
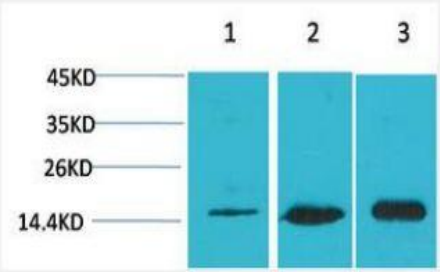
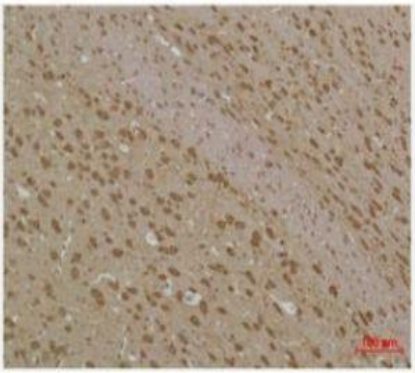


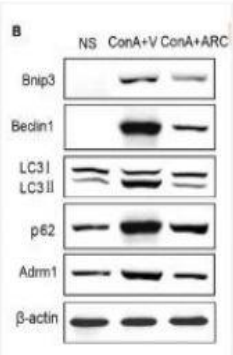
Immunofluorescence analysis of Mouse-lung tissue. 1,LC3B Polyclonal Antibody(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



Western blot analysis of 1) Hela, 2) 3T3, 3) Rat Brain Tissue using MAP LC3β Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded Rat BrainTissue using MAP LC3β Polyclonal Antibody.



Feng, Qin. "Quantitative proteomic analysis reveals that Arctigenin alleviates concanavalin A-induced hepatitis through suppressing immune system and regulating autophagy." Frontiers in immunology 9 (2018): 1881.