(KO Validated) LC3B Polyclonal Antibody

catalog number: E-AB-63506

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*
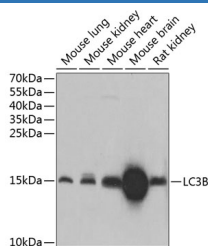
Description

Reactivity	Human;Mouse;Rat
Immunogen	A synthetic peptide of human LC3B (NP_073729.1).
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.

Applications

Applications	Recommended Dilution
WB	1:500-1:2000
IHC	1:50-1:200
IF	1:50-1:200

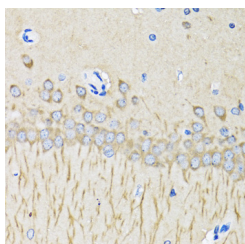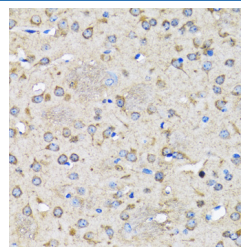## Data

Western blot analysis of extracts of various cell lines using LC3B Polyclonal Antibody at dilution of 1:1000.

Observed-MW:14 kDa/15 kDa
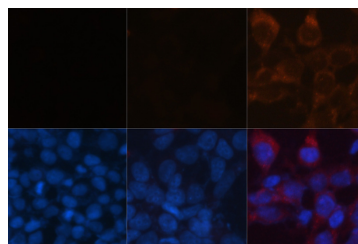
Calculated-MW:14 kDa

Immunohistochemistry of paraffin-embedded Rat brain using LC3B Polyclonal Antibody at dilution of 1:100 (40x lens).

Immunohistochemistry of paraffin-embedded Mouse brain using LC3B Polyclonal Antibody at dilution of 1:100 (40x lens).

Immunofluorescence analysis of LC3B knockout 293T cells treated by chloroquine (top left) and wild-type 293T cells (top middle)，wild-type 293T cells treated by chloroquine (top right) using LC3B Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

Preparation & Storage

Storage	Store at -20℃ Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

Background

For Research Use Only

Toll-free: 1-888-852-8623
Web:www.elabscience.com
Tel: 1-832-243-6086
Email:techsupport@elabscience.com
Fax: 1-832-243-6017
Rev. V1.7

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.

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