

## LC3 Rabbit pAb

Catalog Number: bs-8878R

Target Protein: LC3

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000)

Reactivity: Mouse (predicted:Human, Rat, Pig, Cow, Horse)

Predicted MW: 14/16 kDa

Entrez Gene: 84557

Swiss Prot: Q9H492

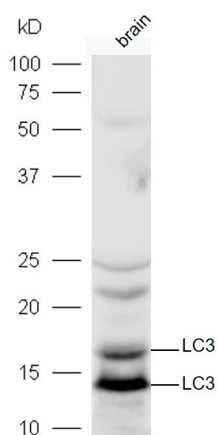
Source: KLH conjugated synthetic peptide derived from human LC3: 31-121/121.

Purification: affinity purified by Protein A

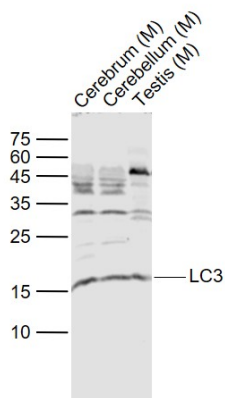
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

### VALIDATION IMAGES



Protein: mouse brain lysates at 40ug; Primary: rabbit Anti-LC3 (bs-8878R) at 1:300; Secondary: HRP conjugated Goat-Anti-rabbit IgG(bs-0295G-HRP) at 1: 5000; Predicted band size:14 kD Observed band size:14,16 kD



Sample: Lane 1: Cerebrum (Mouse) Lysate at 40 ug Lane 2: Cerebellum (Mouse) Lysate at 40 ug Lane 3: Testis (Mouse) Lysate at 40 ug Primary: Anti-LC3 (bs-8878R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 17/14 kD Observed band size: 17 kD

## PRODUCT SPECIFIC PUBLICATIONS

**[IF=10.753]** Zhuo Ma. et al. Manganese-induced  $\alpha$ -synuclein overexpression promotes the accumulation of dysfunctional synaptic vesicles and hippocampal synaptotoxicity by suppressing Rab26-dependent autophagy in presynaptic neurons. SCI TOTAL ENVIRON. 2023 Feb;858:159753 IF ; Mouse . 36341850

**[IF=6.814]** Guo-Jian Jiang. et al. Ultraviolet B irradiation induces senescence of human corneal endothelial cells in vitro by DNA damage response and oxidative stress. J PHOTOCH PHOTOBIO B. 2022 Oct;235:112568 WB ; Human . 36137302

**[IF=7.31]** Yi-Jing Yang. et al. *Lycium barbarum* Polysaccharides Regulating miR-181/Bcl-2 Decreased Autophagy of Retinal Pigment Epithelium with Oxidative Stress. OXID MED CELL LONGEV. 2023 Jan 05;2023:9554457 WB ; Mouse . 36644575

**[IF=6.551]** Yukun Fang. et al. Activation of the ROS/HO-1/NQO1 signaling pathway contributes to the copper-induced oxidative stress and autophagy in duck renal tubular epithelial cells. Sci Total Environ. 2021 Feb;757:143753 WB ; Duck . 33316526

**[IF=7]** Li Hongli. et al. Linc00707 regulates autophagy and promotes the progression of triple negative breast cancer by activation of PI3K/AKT/mTOR pathway. CELL DEATH DISCOV. 2024 Mar;10(1):1-14 IF, WB ; Human . 38485945