

bs-8878R**[Primary Antibody]****BioSS**
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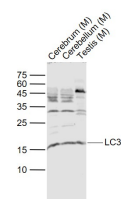
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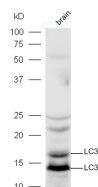
400-901-9800

LC3 Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		Reactivity: Mouse (predicted: Human, Rat, Pig, Cow, Horse)
GeneID: 84557	SWISS: Q9H492	
Target: LC3		Predicted MW.: 14/16 kDa
Immunogen: KLH conjugated synthetic peptide derived from human LC3: 31-121/121.		Subcellular Location: Cell membrane ,Cytoplasm
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
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 —

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



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

— SELECTED CITATIONS —

- **[IF=10.753]** Zhuo Ma. et al. Manganese-induced α -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. 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

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.