

bsm-33309M**[Primary Antibody]****LC3A Mouse mAb****BioSS**
ANTIBODIES

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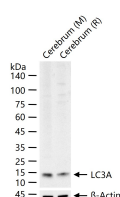
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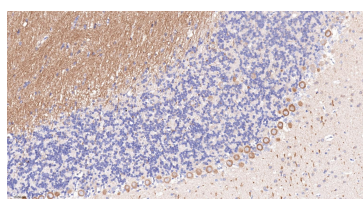
400-901-9800

— DATASHEET —

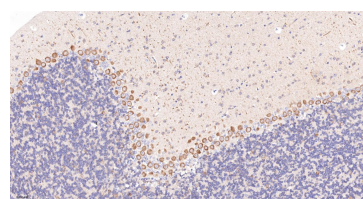
Host: Mouse	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human, Mouse, Rat Predicted MW.: 14/16 kDa Observed MW.: 14 kDa Subcellular Location: Cell membrane ,Cytoplasm
Clonality: Monoclonal	CloneNo.: 7G10	
GeneID: 84557	SWISS: Q9H492	
Target: LC3A		
Immunogen: KLH conjugated synthetic peptide derived from human LC3A: 1-100/121.		
Purification: affinity purified by Protein G		
Concentration: 1mg/ml		
Storage: Size : 50ul/100ul/200ul 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Size : 200ug (PBS only) 0.01M PBS Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		

— VALIDATION IMAGES —

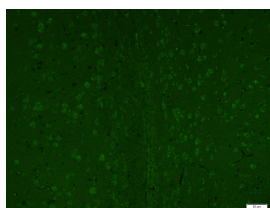
25 ug total protein per lane of various lysates (see on figure) probed with LC3A monoclonal antibody, unconjugated (bsm-33309M) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded Rat Cerebellum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with LC3A Monoclonal Antibody, Unconjugated (ascites of bsm-33309M) at 1:1500 overnight at 4°C, followed by conjugation to the bs-40296G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Mouse Cerebellum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with LC3A Monoclonal Antibody, Unconjugated (ascites of bsm-33309M) at 1:1500 overnight at 4°C, followed by conjugation to the bs-40296G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (LC3A) Monoclonal Antibody, Unconjugated (bsm-33309M) at 1:400 overnight at 4°C, followed by a conjugated Goat Anti-Mouse IgG antibody (bs-0296G-FITC) for 90 minutes, and DAPI for nuclei staining.

— SELECTED CITATIONS —

- **[IF=6.1]** Yunxiang Wang. et al. Corilagin attenuates intestinal ischemia/reperfusion injury in mice by inhibiting ferritinophagy-mediated ferroptosis through disrupting NCOA4-ferritin interaction. LIFE SCI. 2023 Oct;;122176 IF ;Mouse. 37858718
- **[IF=5.6]** Kun Li. et al. Oxidative medicine and cellular longevity the role and mechanism of NCOA4 in ferroptosis induced by intestinal ischemia reperfusion. INT IMMUNOPHARMACOL. 2024 May;133:112155 IF ;Mouse. 38688134
- **[IF=2.1]** Rong Hu. et al. Apatinib sensitizes chemoresistant NSCLC cells to doxorubicin via regulating autophagy and enhances the therapeutic efficacy in advanced and refractory/recurrent NSCLC. Mol Med Rep. 2020 Nov;22(5):3935-3943 WB,IHC ;Human. 32901884
- **[IF=1.5]** Daoai Wu. et al. Autologous Platelet-Rich Gel Accelerates Diabetic Wound Healing Through Inhibition of Ferritinophagy. INT J LOW EXTR WOUND. ;(): IHC,WB ;Rat. 38839257