

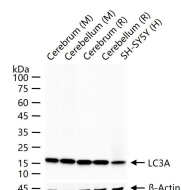
bsm-62899R**[Primary Antibody]****BioSS**
ANTIBODIES

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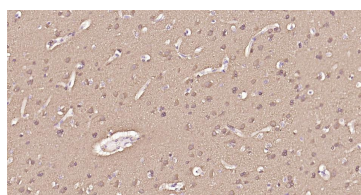
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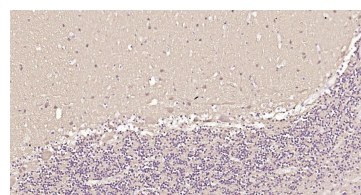
400-901-9800

LC3A Recombinant Rabbit mAb**DATASHEET****Host:** Rabbit**Isotype:** IgG**Clonality:** Recombinant**CloneNo.:** 7F11**GeneID:** 84557**SWISS:** Q9H492**Target:** LC3A**Immunogen:** A synthesized peptide derived from human LC3A: 84-121.**Purification:** affinity purified by Protein A**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Store at 4°C for short term. Store at -20°C for long term. Avoid repeated freeze/thaw cycles.**Background:** Ubiquitin-like modifier involved in formation of autophagosomal vacuoles. While LC3s are involved in elongation of the phagophore membrane, the GABARAP/GATE-16 subfamily is essential for a later stage in autophagosome maturation.**Applications:** **WB** (1:1000-5000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**ICC/IF** (1:50-200)**IP** (1:20-50)**Reactivity:** Human, Mouse, Rat**Predicted
MW.:** 14 kDa**Observed
MW.:** 17 kDa**Subcellular
Location:** Cell membrane ,Cytoplasm**VALIDATION IMAGES**

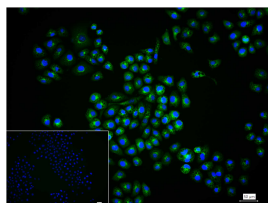
25 ug total protein per lane of various lysates (see on figure) probed with LC3A monoclonal antibody, unconjugated (bsm-62899R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded Human Glioma; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with LC3A Monoclonal Antibody, Unconjugated (bsm-62899R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Cerebellum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with LC3A Monoclonal Antibody, Unconjugated (bsm-62899R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.



4% Paraformaldehyde-fixed HeLa (treated with chloroquine (50uM, overnight) (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (LC3A) monoclonal Antibody, unconjugated (bsm-62899R) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-60295G-BF488) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.

— SELECTED CITATIONS —

- **[IF=7.5]** Yejing Zheng, et al. Mildly uncoupling mitochondria reduces myocardial cell injury caused by hypoxia/reoxygenation. BIOMED PHARMACOTHER. 2025 Aug;189:118310 WB ;Rat. 40614532