

Product Description

Pioneering GTPase and Oncogene Product Development since 2010

LC3A (8F5) MOUSE MAB

Cat.#: N261327

Product Name: Anti-LC3A (8F5) Mouse Monoclonal Antibody

Synonyms: Microtubule-associated proteins 1A/1B light chain 3A;

Autophagy-related protein LC3 A; Autophagy-related ubiquitin-like modifier

LC3 A; MAP1 light chain 3-like protein 1; MAP1A/MAP1B light chain 3 A;

MAPIA/MAPIB LC3 A; Microtubule-associated protein 1 light chain 3 alpha

UNIPROT ID: Q9H492

Background: Autophagy marker Light Chain 3 (LC3) was originally identified as a subunit of microtubule-associated proteins 1A and 1B (termed MAP1LC3), and subsequently found to contain similarity to the yeast protein Apg8/Aut7/Cvt5 critical for autophagy. Three human LC3 isoforms (LC3A, LC3B, and LC3C) undergo post-translational modifications during autophagy. Cleavage of LC3 at the carboxy terminus immediately following synthesis yields the cytosolic LC3-I form.

Immunogen: Purified recombinant protein expressed in E.coli.

Applications: WB,IHC-P

Recommended Dilutions: WB: 1/500-1/1000 IHC: 1/50-1/100

Host Species: Mouse

Clonality: Mouse Monoclonal

Clone ID: 8F5-10H1-9A7

MW: Calculated MW: 14 kDa; Observed MW: 14,16 kDa

Isotype: IgG1

Purification: Affinity Purified

Species Reactivity: Human, Rat, Mouse

Conjugation: Unconjugated **Modification:** Unmodified

Constituents: PBS (without Mg2+ and Ca2+), pH 7.3 containing 50%

glycerol, 0.5% BSA and 0.02% sodium azide

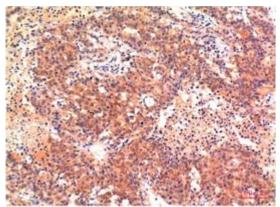
Research Areas: AutophagyyyyyyAutophagosome

Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing

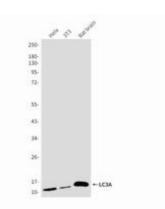


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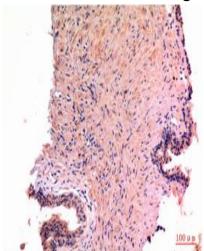
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Immunohistochemistry analysis of paraffin-embedded Human Heptacarcinoma Tissue using LC3A antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Western blot analysis of LC3A (8F5)in Hela lysates, 3T3 lysates, rat Brain lysates using LC3A antibody.



Immunohistochemistry analysis of paraffin-embedded Human Prostate Carcinoma Tissue using LC3A antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.