

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## LC3A RABBIT MAB

Cat.#: N262487

**Product Name:** Anti-LC3A Rabbit 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: A synthetic peptide of human MAPILC3A

**Applications:** WB,IHC-P,IP

**Recommended Dilutions:** WB: 1/500-1/1000 IHC: 1/50-1/100 IP: 1/20

**Host Species:** Rabbit

**Clonality:** Rabbit Monoclonal

**Clone ID:** R07-9B1

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

Isotype: IgG

Purification: Affinity Purified

Species Reactivity: Human, Mouse, Rat

**Conjugation:** Unconjugated **Modification:** Unmodified

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

glycerol, 0.5% BSA and 0.02% sodium azide

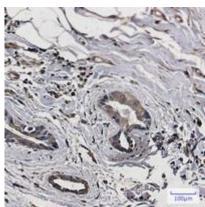
**Research Areas:** Signal Transduction

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

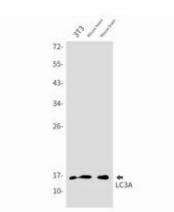


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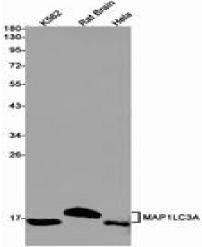
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Immunohistochemistry analysis of paraffin-embedded Human breast cancer using LC3A antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Western blot analysis of LC3A in 3T3, mouse heart, mouse brain lysates using LC3A antibody.



Western blot analysis of LC3A in K562, rat Brain, Hela lysates using LC3A antibody.