

Product Name: LC3A Rabbit Monoclonal Antibody
Catalog #: AMRe02228



Summary

Production Name	LC3A Rabbit Monoclonal Antibody
Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC,IP
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
Purification	Affinity Purification

Immunogen

Gene Name	MAP1LC3A 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;
Alternative Names	MAP1A/MAP1B light chain 3 A; MAP1A/MAP1B LC3 A; Microtubule-associated protein 1 light chain 3 alpha
Gene ID	84557
SwissProt ID	Q9H492.

Application

Dilution Ratio	WB 1:500-1:1000,IHC 1:50-1:100,IP 1:20-1:50
Molecular Weight	Calculated MW: 14 kDa; Observed MW: 14,16 kDa

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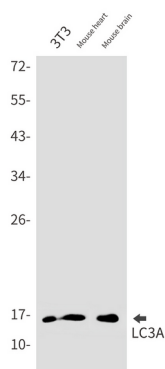
Background

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.

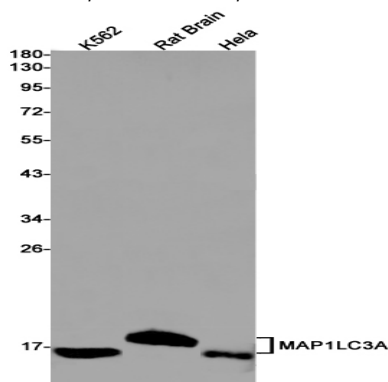
Research Area

Signal Transduction

Image Data

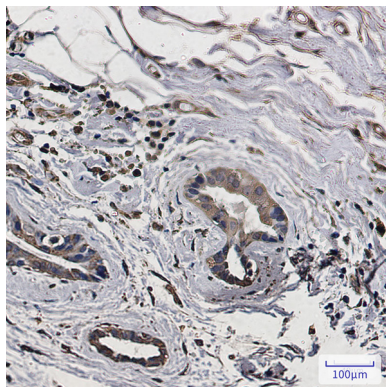


Western blot analysis of LC3A in 3T3, mouse heart, mouse brain lysates using LC3A antibody.



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

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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.

Note

For research use only.