

Product Name: LC3A Mouse Monoclonal Antibody
Catalog #: AMM84980



Summary

Production Name	LC3A Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	WB,IHC
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in PBS with 0.05% sodium azide,0.5%protective protein and 50% glycerol.
Purification	Affinity Purification

Immunogen

Gene Name	LC3A 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; MAP1A/MAP1B LC3 A; Microtubule-associated protein 1 light chain 3 alpha
Alternative Names	
Gene ID	84557.0
SwissProt ID	Q9H492.Purified recombinant protein expressed in E.coli.

Application

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

Product Name: LC3A Mouse Monoclonal Antibody
Catalog #: AMM84980



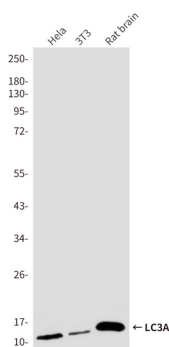
Background

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.

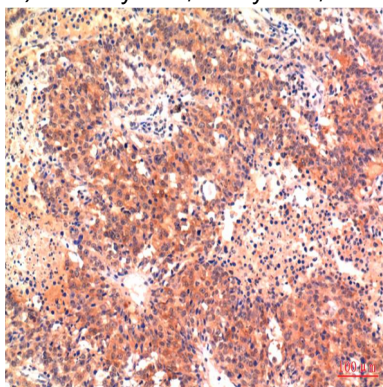
Research Area

Autophagy

Image Data

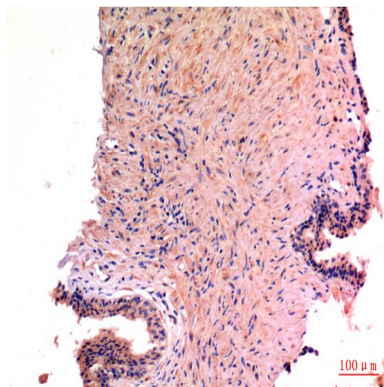


Western blot analysis of LC3A (8F5) in Hela lysates, 3T3 lysates, rat Brain lysates using LC3A antibody.



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

Product Name: LC3A Mouse Monoclonal Antibody
Catalog #: AMM84980



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.

Note

For research use only.