

Anti-LC3A Mouse mAb

Purified Mouse Monoclonal Antibody

Catalog # M012638

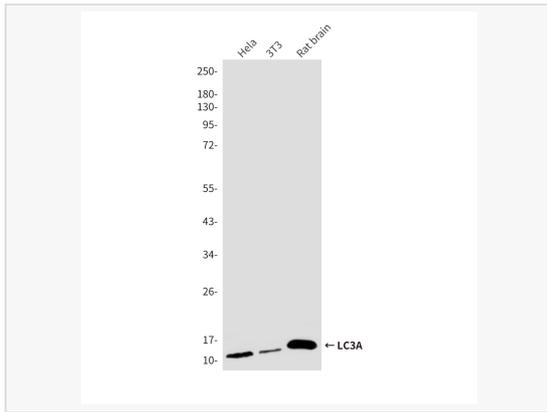
Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Rat, Mouse (Cell)
Dilution	WB 1:500~1:1,000; IHC-P 1:50~1:100
Host	Mouse
Clonality	Monoclonal
Clone No.	88K45K84
Isotype	IgG1
Label	Unconjugated
Immunogen	Purified recombinant protein expressed in E.coli.
Format	Buffer System: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3. Purification: Affinity Purified.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-LC3A antibody [88K45K84] is for research use only and not for use in diagnostic or therapeutic procedures.

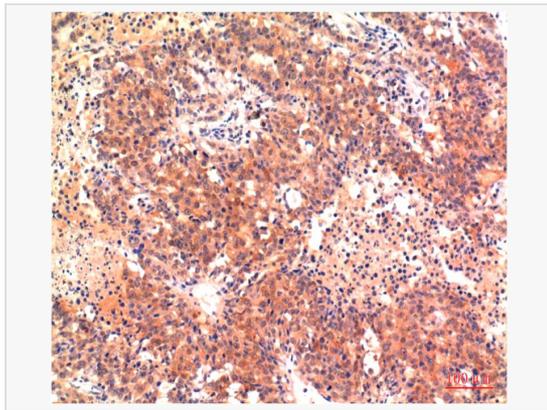
Protein Information

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, MAP1A/MAP1B LC3 A, Microtubule-associated protein 1 light chain 3 alpha.
Calculated MW	Calculated MW: 14 kDa; Observed MW: 14,16 kDa
Uniprot ID	Q9H492
Gene ID	84557
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.

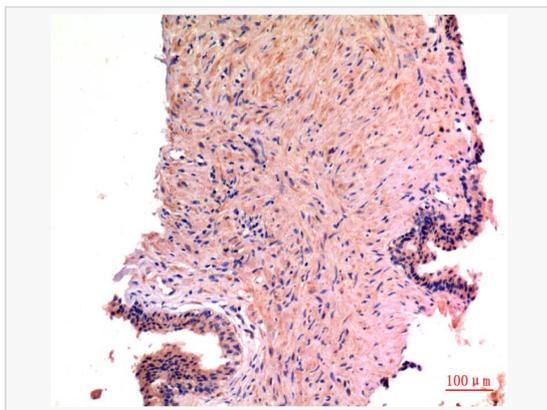
Validation Images



Western blot analysis of LC3A in HeLa lysates, 3T3 lysates, rat Brain lysates using LC3A antibody [88K45K84].



Immunohistochemistry analysis of paraffin-embedded Human Hepatocarcinoma Tissue using LC3A antibody [88K45K84]. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunohistochemistry analysis of paraffin-embedded Human Prostate Carcinoma Tissue using LC3A antibody [88K45K84]. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.