Anti-LC3A Rabbit mAb

Purified Rabbit Monoclonal Antibody

Catalog # R010340

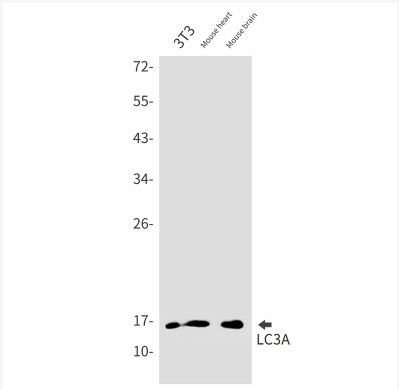
Product Information

Application	WB, IHC-P/IF (Tissue-P), IP, ELISA
Reactivity	Rat, Human, Mouse
Dilution	WB 1:500~1:1,000; IHC-P 1:50~1:100; IP 1:20
Host	Rabbit
Clonality	Monoclonal
Clone No.	22K04M68
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic peptide of human MAP1LC3A
Format	Buffer System: 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA 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 [22K04M68] is for research use only and not for use in diagnostic or therapeutic procedures.

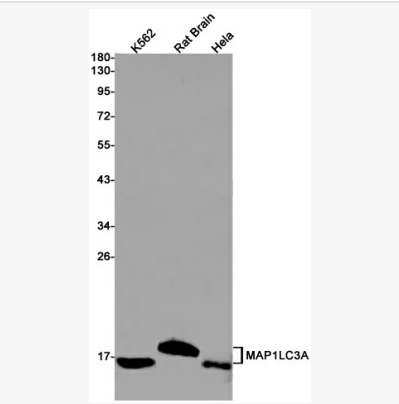
Protein Information

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.

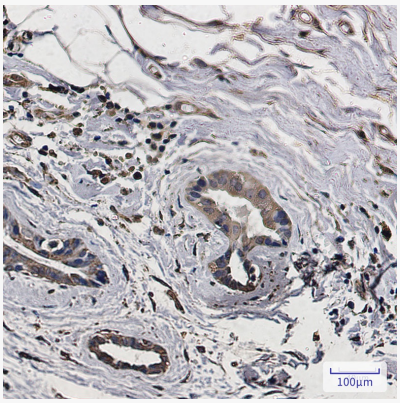
Validation Images



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



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



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.