Anti-LC3A/B Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P106095

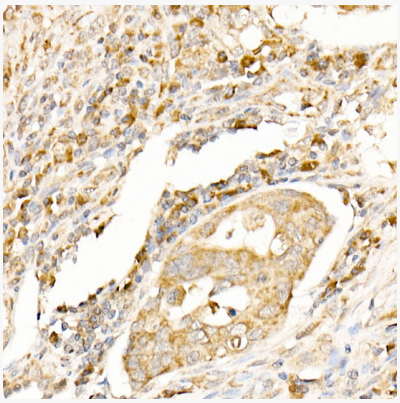
Product Information

Application	WB, IHC-P, IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:5000; IHC-P 1:50~1:200; IF 1:50~1:200
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-60 of human LC3A (NP_115903.1).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
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/B Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

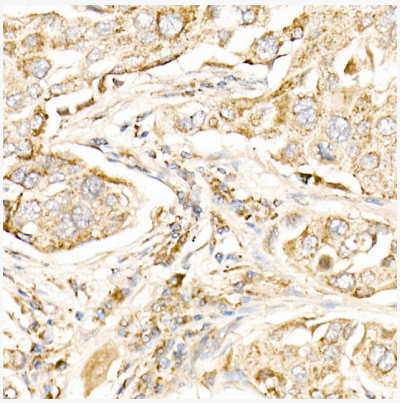
Protein Information

Synonyms	MAP1LC3B; ATG8F; LC3B; MAP1A/1BLC3; MAP1LC3B-a; MAP1LC3A; ATG8E; LC3; LC3A; MAP1ALC3; MAP1BLC3; LC3A/LC3B.
Calculated MW	Calculated MW: 14 kDa; Observed MW: 14 kDa/16 kDa
Uniprot ID	Q9GZQ8, Q9H492
Gene ID	84557, 81631
Background	MAP1A and MAP1B are microtubule-associated proteins which mediate the physical interactions between microtubules and components of the cytoskeleton. MAP1A and MAP1B each consist of a heavy chain subunit and multiple light chain subunits. The protein encoded by this gene is one of the light chain subunits and can associate with either MAP1A or MAP1B. Two transcript variants encoding different isoforms have been found for this gene. The expression of variant 1 is suppressed in many tumor cell lines, suggesting that may be involved in carcinogenesis.

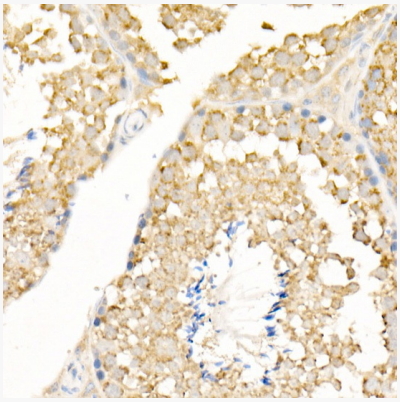
Validation Images



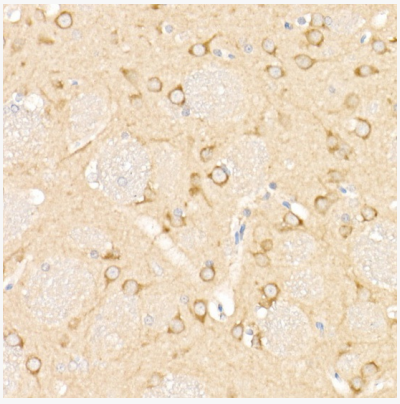
Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma using LC3A/LC3B Rabbit pAb (P106095) at dilution of 1:100 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



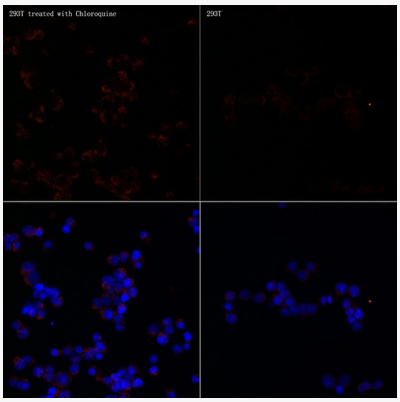
Immunohistochemistry analysis of paraffin-embedded Human lung cancer using LC3A/LC3B Rabbit pAb (P106095) at dilution of 1:100 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



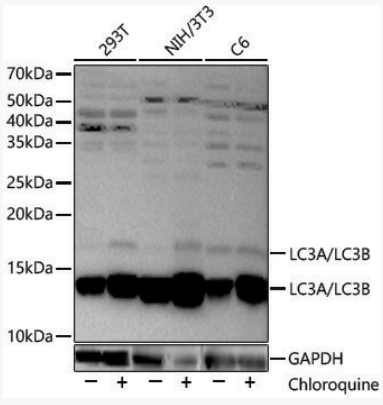
Immunohistochemistry analysis of paraffin-embedded Mouse testis using LC3A/LC3B Rabbit pAb (P106095) at dilution of 1:100 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat brain using LC3A/LC3B Rabbit pAb (P106095) at dilution of 1:100 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunofluorescence analysis of 293T Treated with Chloroquine and 293T cells using LC3A/LC3B Rabbit pAb (P106095) at dilution of 1:100 (40× lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Western blot analysis of various lysates, using LC3A/LC3B Rabbit pAb (P106095) at 1:2,000 dilution. 293T,NIH/3T3 and C6 cells were treated by Chloroquine (50 μM) at 37°C for 20 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25μg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 30s.