

Anti-LC3A Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

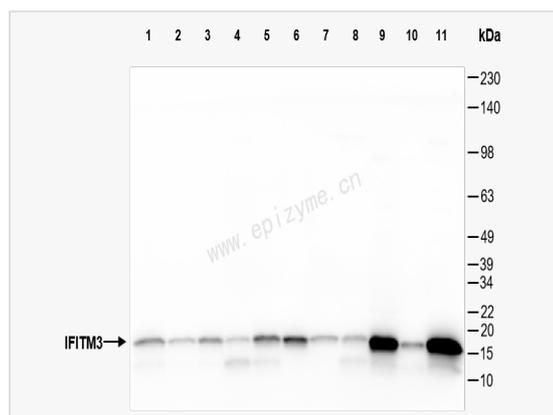
Catalog # R014879

Product Information

Application	WB, IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:5,000; IF 1:200~1:1,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	13G54T49
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human LC3A
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% 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 Rabbit mAb [13G54T49] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	ATG8F, Autophagy related protein LC3 A, Autophagy related protein LC3 B, Autophagy related ubiquitin like modifier LC3 A, Autophagy related ubiquitin like modifier LC3 B, Autophagy-related protein LC3 B, Autophagy-related ubiquitin-like modifier LC3 B, LC3, MAP1 light chain 3 like protein 1, MAP1 light chain 3 like protein 2, MAP1 light chain 3-like protein 2, MAP1A/1B light chain 3 A, MAP1A/1B light chain 3 B, MAP1A/1BLC3, MAP1A/MAP1B LC3 A, MAP1A/MAP1B LC3 B, MAP1A/MAP1B light chain 3 B, MAP1ALC3, MAP1BLC3, MAP1LC3A, Map1lc3b, Microtubule associated protein 1 light chain 3 alpha, Microtubule associated protein 1 light chain 3 beta, Microtubule associated proteins 1A/1B light chain 3, Microtubule associated proteins 1A/1B light chain 3A, Microtubule associated proteins 1A/1B light chain 3B, Microtubule-associated protein 1 light chain 3 beta, Microtubule-associated proteins 1A/1B light chain 3B, MLP3B_HUMAN.
Calculated MW	Calculated MW: 14 kDa; Observed MW: 16 kDa
Uniprot ID	Q9H492
Gene ID	84557
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. [provided by RefSeq, Feb 2012]



Western Blot - Anti-LC3A Rabbit mAb [13G54T49]

All lanes: R014879 at 1:3,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: U2OS (Human osteosarcoma epithelial cell) whole cell lysates

Lane 5: T24 (Human bladder cancer epithelial cell) whole cell lysates

Lane 6: Jurkat (Human T lymphocytic leukemia cell) whole cell lysates

Lane 7: 293T (Human embryonic kidney cell) whole cell lysates

Lane 8: SCC-9 (Human tongue squamous carcinoma epithelial cell) whole cell lysates

Lane 9: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates

Lane 10: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates

Lane 11: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates

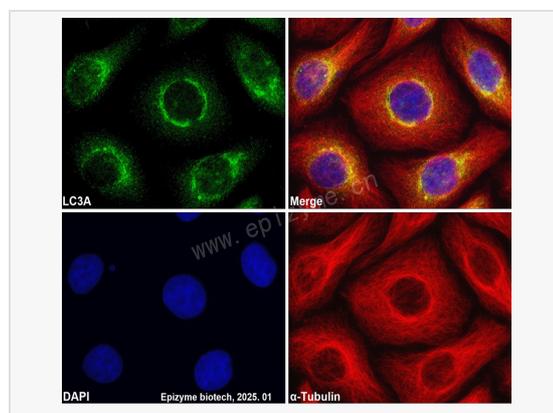
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 14 kDa

Observed band size: 16 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-LC3A Rabbit mAb [13G54T49]

Sample: HeLa cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R014879 at 1:100 dilution and α-tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).