

Product Name: KD-Validated MAP1LC3A Recombinant Rabbit Monoclonal Antibody
Catalog #: KVAb01813

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:4,000-1:20,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 14.3kDa

Antigen Information

Gene Name	MAP1LC3A
Alternative Names	MAP1LC3A; Microtubule Associated Protein 1 Light Chain 3 Alpha; MAP1BLC3; MAP1ALC3; ATG8E; LC3A; LC3; Microtubule-Associated Proteins 1A/1B Light Chain 3A; 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; Microtubule-Associated Proteins 1A/1B Light Chain 3; Autophagy-Related Protein LC3 A; MAP1A/1B Light Chain 3 A
Gene ID	84557.0
SwissProt ID	Q9H492
Immunogen	A synthesized peptide derived from human MAP1LC3A

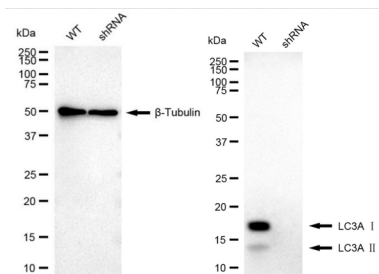
Background

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]

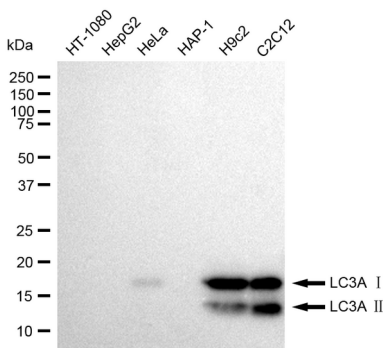
Research Area

Signal Transduction, Cardiovascular, Cancer, Metabolism, Neuroscience

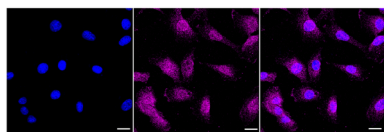
Image Data



Western blotting analysis using MAP1LC3A antibody (KVAb01813). MAP1LC3A expression in wild type (WT) and MAP1LC3A shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with MAP1LC3A antibody (KVAb01813, 1:20,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using MAP1LC3A antibody (KVAb01813). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with MAP1LC3A antibody (KVAb01813, 1:20,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of C2C12 cells with MAP1LC3A antibody (KVAb01813, 1:1,000). Nuclei were stained blue with DAPI; MAP1LC3A was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.