

MAP1LC3A Rabbit mAb

Catalog No: #49049

Package Size: #49049-1 50ul #49049-2 100ul



SAB[®]
Signalway Antibody

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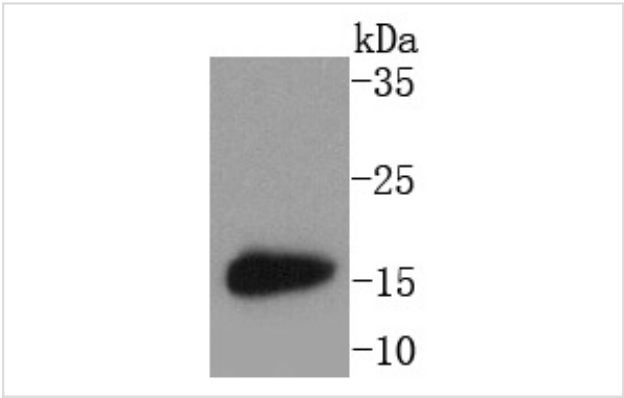
Description

Product Name	MAP1LC3A Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Clone No.	SN07-40
Purification	ProA affinity purified
Applications	WB, ICC, IHC, IP
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Conjugates	Unconjugated
Other Names	ATG8E antibody Autophagy-related protein LC3 A antibody Autophagy-related ubiquitin-like modifier LC3 A antibody LC3 antibody LC3A antibody MAP1 light chain 3 like protein 1 antibody MAP1 light chain 3-like protein 1 antibody MAP1A/1B light chain 3 A antibody MAP1A/MAP1B LC3 A antibody MAP1A/MAP1B light chain 3 A antibody MAP1ALC3 antibody MAP1BLC3 antibody Map1lc3a antibody Microtubule associated proteins 1A/1B light chain 3 antibody Microtubule-associated protein 1 light chain 3 alpha antibody Microtubule-associated proteins 1A and 1B, light chain 3 antibody Microtubule-associated proteins 1A/1B light chain 3A antibody MLP3A_HUMAN antibody
Accession No.	Swiss-Prot#:Q9H492
Calculated MW	14 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

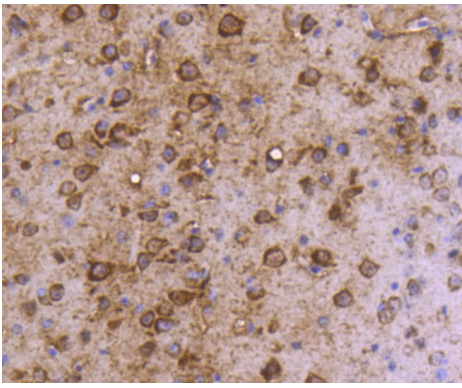
Application Details

WB: 1:1,000-1:2,000 IHC: 1:50-1:200ICC: 1:50-1:200

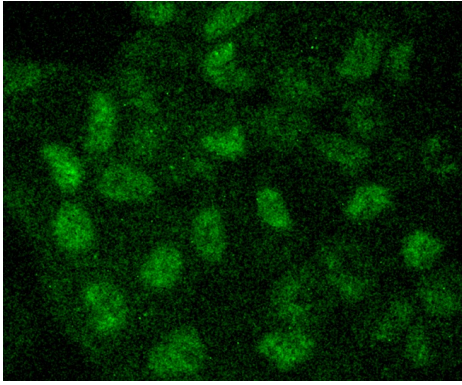
Images



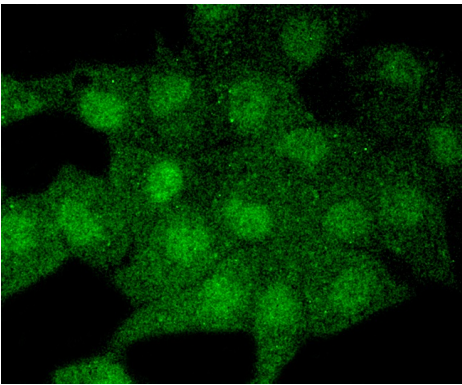
Western blot analysis of MAP1LC3A on mouse brain lysates using anti-MAP1LC3A antibody at 1/1,000 dilution.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-MAP1LC3A antibody. Counter stained with hematoxylin.



ICC staining MAP1LC3A in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining MAP1LC3A in PMVEC cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

Microtubule-associated proteins (MAPs) regulate microtubule stability and play critical roles in neuronal development and in maintaining the balance between neuronal plasticity and rigidity. MAP-light chain 3 beta (MAP-LC3 β) and MAP-light chain 3 alpha (MAP-LC3 α), both of which are mammalian homologs of yeast Apg8, are subunits that can associate with either MAP-1A or MAP-1B. While MAP-LC3 β is essential for autophagy and is associated with autophagosome membranes after processing, MAP LC3 α is involved in the formation of autophagosomal vacuoles and is localized to the intracytoplasmic membrane. MAP LC3 α is expressed as two alternatively spliced isoforms that are expressed in testis, brain, heart, liver and skeletal muscle, but are absent in thymus and peripheral blood leukocytes.

References

Published Papers

el at., The modification of ferroptosis and abnormal lipometabolism through overexpression and knockdown of potential prognostic biomarker perilipin2 in gastric carcinoma.In Gastric Cancer on 2020 Mar; by Sun X, Yang S, et al..PMID: 31520166, , (2020)

[PMID:31520166](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.