Product Datasheet

APG8a/b(MAP1LC3A/B) Antibody (orb1938826)

Catalog Number	orb1938826
Category	Antibodies
Description	Affinity Purified Rabbit Polyclonal Antibody (Pab)
Target	MAP1LC3B (HGNC:13352)
Clonality	Polyclonal
Species/Host	Rabbit
Isotype	Rabbit IgG
Conjugation	Unconjugated
Reactivity	Human, Mouse
Predicted Reactivity	Bovine
Form/Appearance	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Immunogen	This Cleaved-APG8a/b antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 100-125 amino acids from human Cleaved-APG8a/b. Antigen Region: 100-125 aa.
UniProt ID	Q9GZQ8
MW	14688 Da
Tested applications	IF, IHC-P, WB
Dilution range	IF - 1:100, WB - 1:1000, IHC-P - 1:50-100

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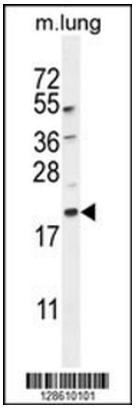
Antibody Type	Primary Antibody
Clone Number	BTD40832
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles
Note	For research use only
NCBI	**NP_073729.1**
Expiration Date	12 months from date of receipt.



APG8a/b (MAP1LC3A/B) western blot analysis in mouse lung tissue lysates (35 ug/lane). This demonstrates the MAP1LC3A antibody detected the MAP1LC3A protein (arrow).

Cleaved-APG8a/b antibody (MAP1LC3A/B) immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the Cleaved-APG8a/b antibody (MAP1LC3A/B) for immunohistochemistry. Clinical relevance has not been evaluated.

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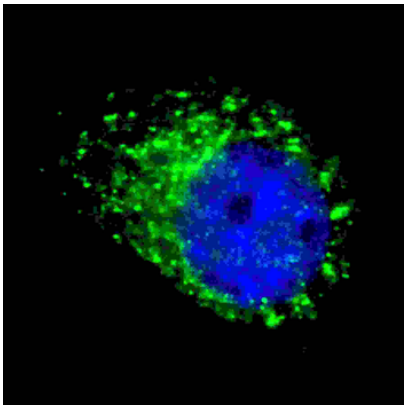

Fluorescent image of U251 cells stained with APG8a/b (MAP1LC3A/B) Antibody. U251 cells were treated with Chloroquine (50 µM, 16h), then fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.2%, 30 min). Cells were then incubated with APG8a/b (MAP1LC3A/B) primary antibody (1:100, 2 h at room temperature). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:1000, 1h). Nuclei were counterstained with Hoechst 33342 (blue) (10 µg/ml, 5 min). APG8a/b (MAP1LC3A/B) immunoreactivity is localized to autophagic vacuoles in the cytoplasm of U251 cells.

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