10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

APG8b (MAP1LC3B)-T93/Y99 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1802e

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q9GZQ8
Other Accession	A6NCE7, NP_073729.1
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB17597
Antigen Region	74-106

Additional Information

Other Names	Microtubule-associated proteins 1A/1B light chain 3B, Autophagy-related protein LC3 B, Autophagy-related ubiquitin-like modifier LC3 B, MAP1 light chain 3-like protein 2, MAP1A/MAP1B light chain 3 B, MAP1A/MAP1B LC3 B, Microtubule-associated protein 1 light chain 3 beta, MAP1LC3B, MAP1ALC3
Target/Specificity	This APG8b (MAP1LC3B)-T93/Y99 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 74-106 amino acids from the Central region of human APG8b (MAP1LC3B)-T93/Y99.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	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.
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.
Precautions	APG8b (MAP1LC3B)-T93/Y99 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Background

The product of this gene is a subunit of neuronal microtubule-associated MAP1A and MAP1B proteins, which are involved in microtubule assembly and important for neurogenesis. Studies on the rat homolog implicate

a role for this gene in autophagy, a process that involves the bulk degradation of cytoplasmic component.

References

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Tanida, I., et al. Biochem. Biophys. Res. Commun. 292(1):256-262(2002)
Kabeya, Y., et al. EMBO J. 19(21):5720-5728(2000)
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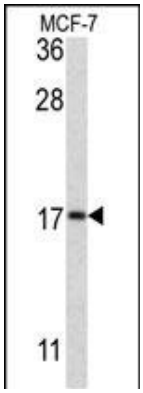
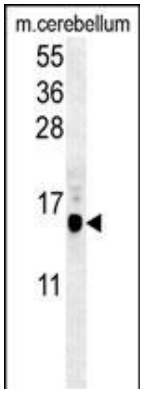
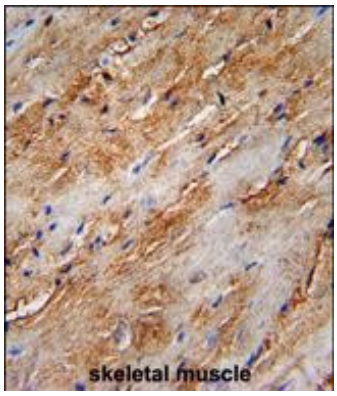
Images



Western blot analysis of APG8b (MAP1LC3B) Antibody (T93/Y99) (Cat. #AP1802e) in MCF-7 cell line lysates (35ug/lane). MAP1LC3B (arrow) was detected using the purified Pab.

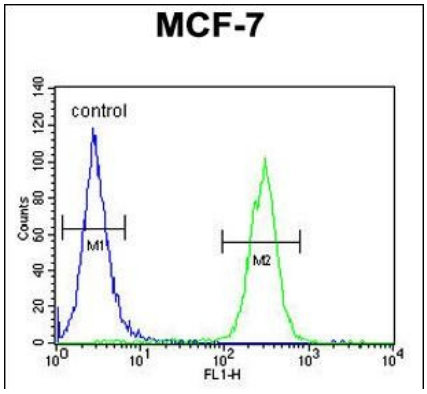


APG8b (MAP1LC3B)-T93/Y99 (Cat. #AP1802f) western blot analysis in mouse cerebellum tissue lysates (35ug/lane).This demonstrates the MAP1LC3B antibody detected MAP1LC3B protein (arrow).



APG8b (MAP1LC3B)-T93/Y99 Antibody (Center) (Cat. #AP1802e) 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 APG8b (MAP1LC3B)-T93/Y99 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

APG8b (MAP1LC3B)-T93/Y99 Antibody (Center) (Cat. #AP1802e) flow cytometric analysis of MCF-7 cells (right



histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Citations

- Autophagy Mediates Cytotoxicity of Human Colorectal Cancer Cells Treated with Garcinielliptone FC.