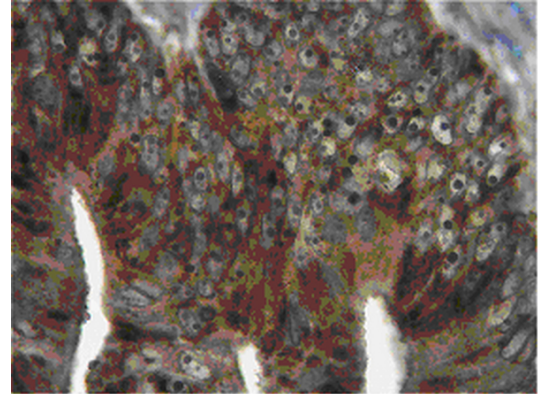


Polyclonal Antibody to MAP1LC3B2 (N-term) - Aff - Purified

Alternate names:	Microtubule-associated proteins 1A/1B light chain 3B-like, Microtubule-associated proteins 1A/1B light chain 3B-like protein, microtubule-associated protein 1 light chain 3 beta 2, microtubule-associated protein 1 light chain 3 beta-like, microtubule-associated proteins 1A/1B light chain 3 beta 2
Catalog No.:	AP55959PU-N
Quantity:	0.1 mg
Concentration:	lot-specific
Background:	Autophagy is the process by which cells recycle cytoplasm and dispose of excess or defective organelles. This process is suggested to be involved in development, differentiation, growth regulation and tissue remodeling in multicellular organisms. The human MAP1LC3 protein is homologous with the rat Map1LC3 and with yeast APG8 proteins. These proteins are likely to be involved in the formation of autophagosomal vacuoles (autophagosomes).
Uniprot ID:	A6NCEZ
NCBI:	NP_001078950.1
GeneID:	643246
Host:	Rabbit
Immunogen:	KLH-conjugated linear peptide corresponding to human MAP1LC3B2 at the N-terminus.
Format:	State: Liquid purified Ig fraction Purification: Affinity Chromatography Buffer System: 0.1 M Tris-Glycine (pH 7.4), 150 mM NaCl with 0.05% sodium azide.
Applications:	Immunohistochemistry: Immunohistochemistry (paraffin) Analysis: A 1:500 dilution from a previous lot detected MAP1LC3B2 in colorectal carcinoma tissue. Western Blotting (SNAP i.d.® Protein Detection System) Analysis: 5 µg/mL from a previous lot detected MAP1LC3B2 on 10 µg of HeLa cell lysate. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognizes MAP1LC3B2 at the N-terminus. Demonstrated to react with Human, Mouse, and Rat. Predicted to react with Bovine, Porcine, and Rhesus Macaque based on 100% sequence homology.
Storage:	Store undiluted at 2-8°C. Shelf life: one year from despatch.

Pictures:

Immunohistochemistry Analysis: Representative lot data. Paraffin-embedded colorectal carcinoma tissue was prepared using heat-induced epitope retrieval in citrate buffer, pH 6.0. Immunostaining was performed using a 1:500 dilution of Cat. No. AP55959PU-N, Anti-MAP1LC3B2. Reactivity was detected using the IHC-Select Detection Kit. Staining pattern appears as nuclear (some cells) and diffusive in the plasma membrane.



Western Blot (SNAP i.d. system) Analysis: Representative lot data. HeLa cell lysate was probed with Anti-MAP1LC3B2 (5 µg/mL). Proteins were visualized using a Donkey Anti-Rabbit IgG secondary antibody conjugated to HRP and a chemiluminescence detection system. Arrow indicates MAP1LC3B2 (~16 kDa).

