



RABBIT ANTI-MAP1LC3 A POLYCLONAL ANTIBODY

CATALOG NUMBER:	AB15412
LOT NUMBER:	
QUANTITY:	50 µL
SPECIFICITY:	MAP1LC3 A [Microtubule-associated proteins 1A/1B light chain 3A, MAP1A/1B LC3 A, MAP1 LC3, LC3 A].
BACKGROUND:	Autophagy is the process by which cells recycle cytoplasm and dispose of excess or defective organelles. This process is suggested to be involved development, differentiation, growth regulation and tissue remodeling in multicellular organisms. The human MAP1LC3 protein is homologous with the rat Map1LC3 and with yeast APG8. These proteins are likely to be involved in the formation of autophagosomal vacuoles (autophagosomes).
IMMUNOGEN:	Synthetic peptide corresponding to a region within the N-terminus of human MAP1LC3 A protein.
APPLICATIONS:	Western blot: 1:200-1:1,000 Immunocytochemistry: 1:200-1:1,000 Immunohistochemistry: 1:200-1:1,000 Optimal working dilutions must be determined by end user.
SPECIES REACTIVITIES:	Human and rat. Other species have not yet been tested.
FORMAT:	Rabbit serum.
PRESENTATION:	Lyophilized. Reconstitute with 50 µL of sterile distilled water. Centrifuge to remove any insoluble material. Contains no preservative.
STORAGE/HANDLING:	Maintain lyophilized material frozen at -20°C to -70°C for up to 12 months after date of receipt. After reconstitution maintain at -20°C in undiluted aliquots for up to 6 months. Avoid repeated freeze/thaw cycles. Glycerol (1:1, ACS or better grade) can be added for additional stability.
RELATED REFERENCES:	He H, Dang Y, Dai F, Guo Z, Wu J, She X, Pei Y, Chen Y, Ling W, Wu C, Zhao S, Liu JO, Yu L. (2003). Post-translational modifications of three members of the human MAP1LC3 family and detection of a novel type of modification for MAP1LC3B. <i>J Biol Chem.</i> 278 (31) pp. 29278-29287. Iwata A, Christianson JC, Bucci M, Ellerby LM, Nukina N, Forno LS, Kopito RR. (2005). Increased susceptibility of cytoplasmic over nuclear polyglutamine aggregates to autophagic degradation. <i>PNAS.</i> 102 (37) pp. 13135-13140.



Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 μ L or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

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PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION

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