

Anti-MAP1LC3b(Microtubule-associated proteins 1A/1B light chain 3B) Polyclonal Antibody

Cat. #: 60B701

Description:

MAP1LC3b(Microtubule-associated proteins 1A/1B light chain 3B) is probably involved in formation of autophagosomal vacuoles. MAP1LC3b contains 3 different light chains, LC1, LC2 and LC3, and can associate with MAP1A and MAP1B proteins. LC3-I is cytoplasmic. LC3-II binds to the membranes of autophagic vacuoles. The precursor molecule is cleaved by APG4B/ATG4B to form LC3-I. This is activated by APG7L/ATG7, transferred to ATG3 and conjugated to phospholipid to form LC3-II.

Immunogen/Specificity:

Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to N-terminal residues of mouse MAP1LC3b (Microtubule-associated proteins 1A/1B light chain 3B precursor)

References

Tanida,I., et al, Int. J. Biochem. Cell Biol. 36 (12), 2503-2518 (2004)
Mann,S.S. et al, J. Biol. Chem. 269 (15), 11492-11497 (1994)
Kabeya,Y., et al, EMBO J. 19 (21), 5720-5728 (2000)

Species: mouse, rat, human

Storage and Stability: at -20oC

Storage buffer:

This antibody is stored in PBS, 0.01% sodium azide and 50% glycerol.

Preparation:

Purified by antigen-specific affinity chromatography.

Applications :

ELISA

Western Blotting (1µg/ml for 2hrs)