



# LC3B rabbit pAb

Cat No.:ES20679

For research use only

## Overview

<b>Product Name</b>	LC3B rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IF;IHC
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	WB: 1:1000-2000 IHC: 1:200-500 IF 1:200
<b>Immunogen</b>	Recombinant Protein of MAP LC3 $\beta$
<b>Specificity</b>	The antibody detects endogenous MAP LC3 $\beta$ protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Microtubule-associated proteins 1A/1B light chain 3B
<b>Gene Name</b>	MAP1LC3B
<b>Cellular localization</b>	Cytoplasmic vesicle, autophagosome membrane ; Lipid-anchor . Endomembrane system ; Lipid-anchor . Mitochondrion membrane ; Lipid-anchor . Cytoplasm, cytoskeleton . Cytoplasmic vesicle . LC3-II binds to the autophagic membranes. LC3-II localizes with the mitochondrial inner membrane during Parkin-mediated mitophagy (PubMed:28017329). Localizes also to discrete punctae along the ciliary axoneme. .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	
<b>Observed band</b>	14,16kD
<b>Human Gene ID</b>	81631
<b>Human Swiss-Prot Number</b>	Q9GZQ8
<b>Alternative Names</b>	MAP1LC3B; MAP1ALC3; Microtubule-associated proteins 1A/1B light chain 3B; Autophagy-related





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## Background

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-asso

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. [provided by RefSeq, Jul 2008],



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