



# LC3A rabbit pAb

<b>Catalog No</b>	BYab-12515
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;
<b>Applications</b>	WB;ELISA;IHC
<b>Gene Name</b>	MAP1LC3A
<b>Protein Name</b>	LC3A
<b>Immunogen</b>	Synthesized peptide derived from human LC3A
<b>Specificity</b>	This antibody detects endogenous levels of Human LC3A
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
<b>Dilution</b>	WB 1:500-2000;IHC-p 1:50-300; ELISA 2000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	Microtubule-associated proteins 1A/1B light chain 3A (Autophagy-related protein LC3 A;Autophagy-related ubiquitin-like modifier LC3 A;MAP1 light chain 3-like protein 1;MAP1A/MAP1B light chain 3 A;MAP1A/MAP1B LC3 A;Microtubule-associated protein 1 light chain 3 alpha)
<b>Observed Band</b>	
<b>Cell Pathway</b>	Cytoplasmic vesicle, autophagosome membrane ; Lipid-anchor . Endomembrane system ; Lipid-anchor . Cytoplasm, cytoskeleton . LC3-II binds to the autophagic membranes. .
<b>Tissue Specificity</b>	Most abundant in heart, brain, liver, skeletal muscle and testis but absent in thymus and peripheral blood leukocytes.
<b>Function</b>	autophagic vacuole formation, proteolysis, autophagy, vacuole organization, macromolecule catabolic process, cellular response to starvation, response to extracellular stimulus, macroautophagy, modification-dependent protein catabolic process, protein catabolic process, response to nutrient levels, cellular response to extracellular stimulus, cellular response to nutrient levels, cellular response to stress, response to starvation, modification-dependent macromolecule catabolic

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process, cellular protein catabolic process, cellular macromolecule catabolic process, proteolysis involved in cellular protein catabolic process,

## Background

function: Probably involved in formation of autophagosomal vacuoles (autophagosomes)., PTM: The precursor molecule is cleaved by APG4B/ATG4B to form the cytosolic form, LC3-I. This is activated by APG7L/ATG7, transferred to ATG3 and conjugated to phospholipid to form the membrane-bound form, LC3-II., similarity: Belongs to the MAP1 LC3 family., subcellular location: LC3-II binds to the autophagic membranes., subunit: 3 different light chains, LC1, LC2 and LC3, can associate with MAP1A and MAP1B proteins., tissue specificity: Most abundant in heart, brain, liver, skeletal muscle and testis but absent in thymus and peripheral blood leukocytes.,

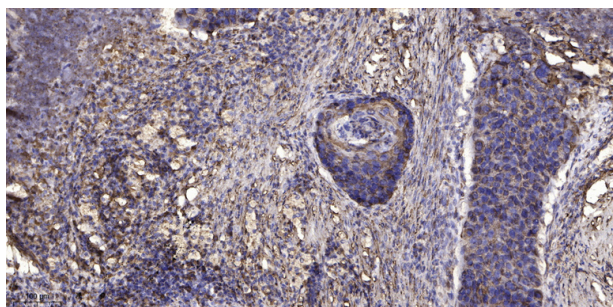
## matters needing attention

Avoid repeated freezing and thawing!

## Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Immunohistochemical analysis of paraffin-embedded human Squamous cell carcinoma of lung. 1, Antibody was diluted at 1:200 (4° overnight). 2, Tris-EDTA, pH 9.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200 (room temperature, 45min).