



# 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 |

**Nanjing BYabscience technology Co.,Ltd**



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.,

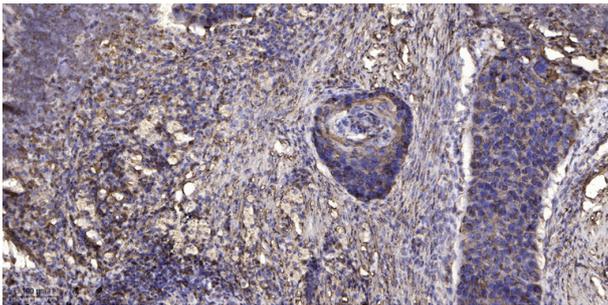
**matters needing attention**

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, pH9.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200(room temperature, 45min).