

## LC3A Rabbit Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP11013
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	100ul, 50ul, 20ul
<b>Immunogen</b>	Synthesized peptide derived from human LC3A
<b>Mol wt</b>	13310
<b>Species reactivity</b>	Human, Rat, Mouse
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	LC3A
<b>Synonyms</b>	LC3A; 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

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

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.|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.|

### Recommended Dilution

WB: 1: 1000 - 1: 2000

ELISA: 1: 5000 - 1: 20000

Not yet tested in other applications.

### Images

No images.

### Storage

-20°C for 1 year