

[Go to Product page](#)

Datasheet for ABIN350463 **anti-LC3C antibody**

Overview

Quantity:	500 µg
Target:	LC3C (MAP1LC3C)
Reactivity:	Human
Host:	Sheep
Clonality:	Polyclonal
Conjugate:	This LC3C antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	A synthetic peptide from human microtubule-associated protein 1 light chain 3 gamma (MAP1LC3C, MAP1A/MAP1B LC3 C) conjugated to an immunogenic carrier protein has been used as the immunogen.
Isotype:	IgG
Specificity:	Specific for MAP1LC3C.
Cross-Reactivity:	Human
Cross-Reactivity (Details):	Other species not yet tested.
Purification:	IgG

Target Details

Target:	LC3C (MAP1LC3C)
---------	-----------------

Target Details

Alternative Name: MAP1LC3C ([MAP1LC3C Products](#))

Background: Autophagy is the process by which endogenous proteins and damaged organelles are destroyed intracellularly. Autophagy is postulated to be essential for cell homeostasis and cell remodeling during differentiation, metamorphosis, non-apoptotic cell death, and aging. Reduced levels of autophagy have been described in some malignant tumors, and a role for autophagy in controlling the unregulated cell growth linked to cancer has been proposed. FUNCTION: Probably involved in formation of autophagosomal vacuoles (autophagosomes). SUBUNIT: 3 different light chains, LC1, LC2 and LC3, can associate with MAP1A and MAP1B proteins. SUBCELLULAR LOCATION: Cytoplasm. Intracytoplasmic membrane, Lipid-anchor. Cytoplasmic vesicle, autophagosome membrane, Lipid-anchor. Note: LC3-II binds to the autophagic membranes. TISSUE SPECIFICITY: Most abundant in placenta, lung and ovary. 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.,Mammalian Autophagy, Microtubule-associated proteins 1A/1B light chain 3C, MAP1LC3C, MAP1A/MAP1B LC3 C, MAP1A/1B light chain 3 C, MAP1 light chain 3-like protein 3, Autophagy-related protein LC3 C, Autophagy-related ubiquitin-like modifier LC3C

UniProt: [Q9BXW4](#)

Pathways: [Autophagy](#)

Application Details

Application Notes: IHC, WB. Use at a concentration of 10-50 µg/ml. The optimal working concentration should be determined by the end user. Not yet tested in other applications.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitute in 500 µL of sterile water. Centrifuge to remove any insoluble material.

Handling Advice: Avoid freeze and thaw cycles.

Storage: 4 °C/-20 °C

Storage Comment: Maintain the lyophilised/reconstituted antibodies frozen at -20°C for long term storage and refrigerated at 2-8°C for a shorter term. When reconstituting, glycerol (1:1) may be added for an

Handling

additional stability. Avoid freeze and thaw cycles.

Expiry Date: 12 months