

**Anti-MAP1LC3A/Lc3A Rabbit Monoclonal Antibody**  
**Catalog # ABO13931****Specification****Anti-MAP1LC3A/Lc3A Rabbit Monoclonal Antibody - Product Information**

Application	WB, IHC, IF, ICC, IP
Primary Accession	<a href="#">Q9H492</a>
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

**Description**

Anti-MAP1LC3A/Lc3A Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP applications. This antibody reacts with Human, Mouse, Rat.

**Anti-MAP1LC3A/Lc3A Rabbit Monoclonal Antibody - Additional Information****Gene ID** 84557**Other Names**

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, MAP1LC3A

**Calculated MW**

14272 MW KDa

**Application Details**

WB 1:5000-1:20000&lt;br&gt;IHC 1:50-1:200&lt;br&gt;ICC/IF 1:50-1:200&lt;br&gt;IP 1:50

**Subcellular Localization**

Cytoplasm, cytoskeleton. Endomembrane system; Lipid-anchor. Cytoplasmic vesicle, autophagosome membrane; Lipid-anchor. Cytoplasmic vesicle, autophagosome. LC3-II binds to the autophagic membranes.

**Tissue Specificity**

Most abundant in heart, brain, liver, skeletal muscle and testis but absent in thymus and peripheral blood leukocytes..

**Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen**

A synthesized peptide derived from human MAP1LC3A

**Purification**

## Affinity-chromatography

### Storage

**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

## Anti-MAP1LC3A/Lc3A Rabbit Monoclonal Antibody - Protein Information

### Name MAP1LC3A

#### Function

Ubiquitin-like modifier involved in formation of autophagosomal vacuoles (autophagosomes) (PubMed:<a href="http://www.uniprot.org/citations/20713600" target="\_blank">20713600</a>, PubMed:<a href="http://www.uniprot.org/citations/24290141" target="\_blank">24290141</a>). While LC3s are involved in elongation of the phagophore membrane, the GABARAP/GATE-16 subfamily is essential for a later stage in autophagosome maturation (PubMed:<a href="http://www.uniprot.org/citations/20713600" target="\_blank">20713600</a>). Through its interaction with the reticulophagy receptor TEX264, participates in the remodeling of subdomains of the endoplasmic reticulum into autophagosomes upon nutrient stress, which then fuse with lysosomes for endoplasmic reticulum turnover (PubMed:<a href="http://www.uniprot.org/citations/31006537" target="\_blank">31006537</a>, PubMed:<a href="http://www.uniprot.org/citations/31006538" target="\_blank">31006538</a>).

#### Cellular Location

Cytoplasmic vesicle, autophagosome membrane; Lipid-anchor. Endomembrane system; Lipid-anchor. Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:Q91VR7}. Note=LC3-II binds to the autophagic membranes.

#### Tissue Location

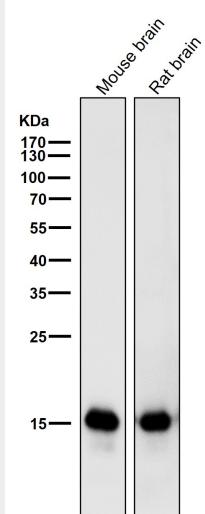
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## Anti-MAP1LC3A/Lc3A Rabbit Monoclonal Antibody - Protocols

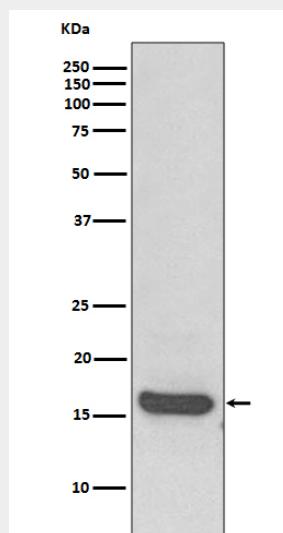
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

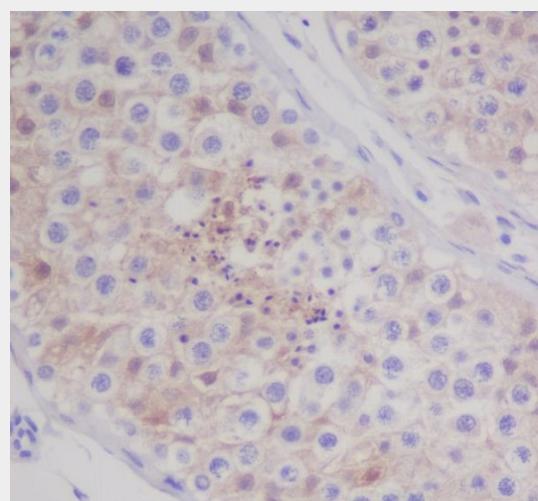
## Anti-MAP1LC3A/Lc3A Rabbit Monoclonal Antibody - Images



All lanes use the Antibody at 1:1W dilution for 1 hour at room temperature.



Western blot analysis of MAP1LC3A expression in Human brain lysate.



Immunohistochemical analysis of paraffin-embedded human testis, using MAP1LC3A Antibody.