

**Phospho-APG8c(MAP1LC3C)(Y105) Antibody Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP3691a****Specification**

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**Phospho-APG8c(MAP1LC3C)(Y105) Antibody Blocking peptide - Product Information**Primary Accession [Q9BXW4](#)**Phospho-APG8c(MAP1LC3C)(Y105) Antibody Blocking peptide - Additional Information****Gene ID** 440738**Other Names**

Microtubule-associated proteins 1A/1B light chain 3C, Autophagy-related protein LC3 C, Autophagy-related ubiquitin-like modifier LC3 C, MAP1 light chain 3-like protein 3, MAP1A/MAP1B light chain 3 C, MAP1A/MAP1B LC3 C, Microtubule-associated protein 1 light chain 3 gamma, MAP1LC3C

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP3691a](/products/AP3691a) was selected from the MAP1LC3C-Y105 region of human Phospho-APG8c (MAP1LC3C)-Y105. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**Phospho-APG8c(MAP1LC3C)(Y105) Antibody Blocking peptide - Protein Information****Name** MAP1LC3C**Function**

Ubiquitin-like modifier that plays a crucial role in antibacterial autophagy (xenophagy) through the selective binding of CALCOCO2 (PubMed: <http://www.uniprot.org/citations/23022382>). Recruits all ATG8 family members to infecting bacteria such as *S.typhimurium* (PubMed: <http://www.uniprot.org/citations/23022382>). May also play a role in aggrephagy, the macroautophagic degradation of ubiquitinated and aggregated proteins (PubMed: <http://www.uniprot.org/citations/28404643>).

**Cellular Location**

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

**Tissue Location**

Most abundant in placenta, lung and ovary.

**Phospho-APG8c(MAP1LC3C)(Y105) Antibody Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**Phospho-APG8c(MAP1LC3C)(Y105) Antibody Blocking peptide - Images****Phospho-APG8c(MAP1LC3C)(Y105) Antibody Blocking peptide - Background**

APG8c is a highly regulated bulk degradation process that plays an important role in cellular maintenance and development. APG8c is 1 of 3 orthologs of the yeast autophagosome protein Atg8.

**Phospho-APG8c(MAP1LC3C)(Y105) Antibody Blocking peptide - References**

Tanida,I., et.al, J. Biol. Chem. 279 (35), 36268-36276 (2004)He,H., et.al, J. Biol. Chem. 278 (31), 29278-29287 (2003)