

APG10L Antibody (C-term S116) Blocking Peptide
Synthetic peptide
Catalog # BP14315c**Specification**

APG10L Antibody (C-term S116) Blocking Peptide - Product Information

Primary Accession [Q9H0Y0](#)

APG10L Antibody (C-term S116) Blocking Peptide - Additional Information

Gene ID 83734

Other Names

Ubiquitin-like-conjugating enzyme ATG10, 632-, Autophagy-related protein 10, APG10-like, ATG10, APG10L

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.

APG10L Antibody (C-term S116) Blocking Peptide - Protein Information

Name ATG10

Synonyms APG10L

Function

E2-like enzyme involved in autophagy. Acts as an E2-like enzyme that catalyzes the conjugation of ATG12 to ATG5. ATG12 conjugation to ATG5 is required for autophagy. Likely serves as an ATG5-recognition molecule. Not involved in ATG12 conjugation to ATG3 (By similarity). Plays a role in adenovirus-mediated cell lysis.

Cellular Location

Cytoplasm.

APG10L Antibody (C-term S116) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

APG10L Antibody (C-term S116) Blocking Peptide - Images**APG10L Antibody (C-term S116) Blocking Peptide - Background**

Autophagy is a process for the bulk degradation of cytosolic compartments by lysosomes. ATG10 is an E2-like enzyme involved in 2 ubiquitin-like modifications essential for autophagosome formation: ATG12 (MIM 609608)-ATG5 (MIM 604261) conjugation and modification of a soluble form of MAP-LC3 (MAP1LC3A; MIM 601242), a homolog of yeast Apg8, to a membrane-bound form (Nemoto et al., 2003 [PubMed 12890687]).

APG10L Antibody (C-term S116) Blocking Peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) : Criollo, A., et al. Cell Death Differ. 14(5):1029-1039(2007) Shao, Y., et al. Autophagy 3(1):10-16(2007) Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) : Boya, P., et al. Mol. Cell. Biol. 25(3):1025-1040(2005)