

ATG9B Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP13649b**Specification**

ATG9B Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [Q674R7](#)**ATG9B Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 285973**Other Names**

Autophagy-related protein 9B, APG9-like 2, Nitric oxide synthase 3-overlapping antisense gene protein, Protein sONE, ATG9B, APG9L2, NOS3AS

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13649b was selected from the C-term region of ATG9B. 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.

ATG9B Antibody (C-term) Blocking peptide - Protein Information**Name** ATG9B**Function**

Phospholipid scramblase involved in autophagy by mediating autophagosomal membrane expansion. Cycles between the preautophagosomal structure/phagophore assembly site (PAS) and the cytoplasmic vesicle pool and supplies membrane for the growing autophagosome. Lipid scramblase activity plays a key role in preautophagosomal structure/phagophore assembly by distributing the phospholipids that arrive through ATG2 (ATG2A or ATG2B) from the cytoplasmic to the luminal leaflet of the bilayer, thereby driving autophagosomal membrane expansion (By similarity). In addition to autophagy, also plays a role in necrotic cell death (By similarity).

Cellular Location

Preautophagosomal structure membrane; Multi-pass membrane protein. Note=Under amino acid starvation or rapamycin treatment, redistributes from a juxtanuclear clustered pool to a dispersed peripheral cytosolic pool (PubMed:18936157). The starvation-induced redistribution depends on

ULK1 and ATG13 (PubMed:18936157).

Tissue Location

Highly expressed in placenta (trophoblast cells) and pituitary gland. Not expressed in vascular endothelial

ATG9B Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

ATG9B Antibody (C-term) Blocking peptide - Images**ATG9B Antibody (C-term) Blocking peptide - Background**

ATG9B plays a role in autophagy (By similarity).

ATG9B Antibody (C-term) Blocking peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Han, S., et al. Hum. Immunol. 71(7):727-730(2010) Rajaraman, P., et al. Cancer Epidemiol. Biomarkers Prev. 19(5):1356-1361(2010) Webber, J.L., et al. FEBS Lett. 584(7):1319-1326(2010) Ban, H.J., et al. BMC Genet. 11, 26 (2010) :