

ATG13 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP9928a

Specification

ATG13 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [O75143](#)

ATG13 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 9776

Other Names

Autophagy-related protein 13, ATG13, KIAA0652

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.

ATG13 Antibody (N-term) Blocking Peptide - Protein Information

Name ATG13

Synonyms KIAA0652

Function

Autophagy factor required for autophagosome formation and mitophagy. Target of the TOR kinase signaling pathway that regulates autophagy through the control of the phosphorylation status of ATG13 and ULK1, and the regulation of the ATG13-ULK1-RB1CC1 complex. Through its regulation of ULK1 activity, plays a role in the regulation of the kinase activity of mTORC1 and cell proliferation.

Cellular Location

Cytoplasm, cytosol. Preautophagosomal structure. Note=Under starvation conditions, is localized to punctate structures primarily representing the isolation membrane; the isolation membrane sequesters a portion of the cytoplasm resulting in autophagosome formation

ATG13 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ATG13 Antibody (N-term) Blocking Peptide - Images

ATG13 Antibody (N-term) Blocking Peptide - References

Hosokawa, N., et al. Autophagy 5(7):973-979(2009) Mercer, C.A., et al. Autophagy 5(5):649-662(2009) Ganley, I.G., et al. J. Biol. Chem. 284(18):12297-12305(2009) Jung, C.H., et al. Mol. Biol. Cell 20(7):1992-2003(2009) Hosokawa, N., et al. Mol. Biol. Cell 20(7):1981-1991(2009)