

C12orf66 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP10605b**Specification**

C12orf66 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession [O96MD2](#)
Other Accession [NP_689653.3](#)

C12orf66 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 144577

Other Names

UPF0536 protein C12orf66, C12orf66

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.

C12orf66 Antibody (C-term) Blocking Peptide - Protein Information

Name KICS2 ([HGNC:26517](#))

Synonyms C12orf66

Function

As part of the KICSTOR complex functions in the amino acid- sensing branch of the TORC1 signaling pathway. Recruits, in an amino acid-independent manner, the GATOR1 complex to the lysosomal membranes and allows its interaction with GATOR2 and the RAG GTPases. Functions upstream of the RAG GTPases and is required to negatively regulate mTORC1 signaling in absence of amino acids. In absence of the KICSTOR complex mTORC1 is constitutively localized to the lysosome and activated. The KICSTOR complex is also probably involved in the regulation of mTORC1 by glucose.

Cellular Location

Lysosome membrane.

C12orf66 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

C12orf66 Antibody (C-term) Blocking Peptide - Images

C12orf66 Antibody (C-term) Blocking Peptide - References

Xu, X.R., et al. Proc. Natl. Acad. Sci. U.S.A. 98(26):15089-15094(2001)