

GOPC Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP13470b**Specification**

GOPC Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [Q9HD26](#)**GOPC Antibody (C-term) Blocking peptide - Additional Information**

Gene ID 57120

Other Names

Golgi-associated PDZ and coiled-coil motif-containing protein, CFTR-associated ligand, Fused in glioblastoma, PDZ protein interacting specifically with TC10, PIST, GOPC, CAL, FIG

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13470b was selected from the C-term region of GOPC. 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.

GOPC Antibody (C-term) Blocking peptide - Protein InformationName GOPC ([HGNC:17643](#))**Function**

Plays a role in intracellular protein trafficking and degradation (PubMed:11707463, PubMed:14570915, PubMed:15358775). May regulate CFTR chloride currents and acid-induced ASIC3 currents by modulating cell surface expression of both channels (By similarity). May also regulate the intracellular trafficking of the ADR1B receptor (PubMed:15358775). May play a role in autophagy (By similarity). Together with MARCHF2 mediates the ubiquitination and lysosomal degradation of CFTR (PubMed:23818989). Overexpression results in CFTR intracellular retention and lysosomal degradation in the lysosomes (PubMed:11707463, PubMed:11707463, PubMed:11707463).

href="http://www.uniprot.org/citations/14570915" target="_blank">14570915).

Cellular Location

Cytoplasm. Golgi apparatus membrane; Peripheral membrane protein. Golgi apparatus, trans-Golgi network membrane; Peripheral membrane protein Synapse. Postsynaptic density. Cell projection, dendrite. Note=Enriched in synaptosomal and postsynaptic densities (PSD) fractions. Expressed in cell bodies and dendrites of Purkinje cells. Localized at the trans-Golgi network (TGN) of spermatids and the medulla of round spermatides.

Tissue Location

Ubiquitously expressed.

GOPC Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

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

PIST is a PDZ domain-containing Golgi protein. PDZ domains contain approximately 90 amino acids and bind the extreme Cterminus of proteins in a sequence-specific manner.[supplied by OMIM].

GOPC Antibody (C-term) Blocking peptide - References

Cheng, J., et al. Mol. Biol. Cell 21(7):1178-1187(2010) Cushing, P.R., et al. Biochemistry 47(38):10084-10098(2008) Lamesch, P., et al. Genomics 89(3):307-315(2007) Li, X., et al. Protein Sci. 15(9):2149-2158(2006) Ito, H., et al. Biochem. J. 397(3):389-398(2006)