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CYTH3 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP9673b

Specification

CYTH3 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession O43739

CYTH3 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 9265

Other Names
Cytohesin-3, ARF nucleotide-binding site opener 3, Protein ARNO3, General receptor of phosphoinositides 1, Grp1, PH, SEC7 and coiled-coil domain-containing protein 3, CYTH3, ARNO3, GRP1, PSCD3

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.

CYTH3 Antibody (C-term) Blocking Peptide - Protein Information

Name CYTH3 (HGNC:9504)

Synonyms ARNO3, GRP1, PSCD3

Function
Promotes guanine-nucleotide exchange on ARF1 and ARF6. Promotes the activation of ARF factors through replacement of GDP with GTP. Plays a role in the epithelial polarization (By similarity).

Cellular Location
Cytoplasm, cytosol. Cell membrane {ECO:0000250|UniProtKB:O08967}; Peripheral membrane protein {ECO:0000250|UniProtKB:O08967}. Cell junction, adherens junction {ECO:0000250|UniProtKB:O08967}. Cell junction, tight junction {ECO:0000250|UniProtKB:O08967}. Note=Translocates from the cytosol to membranes enriched in phosphatidylinositol 3,4,5-trisphosphate {ECO:0000250|UniProtKB:O08967}

Tissue Location
Almost absent from liver, thymus and peripheral blood lymphocytes

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CYTH3 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

CYTH3 Antibody (C-term) Blocking Peptide - Images

CYTH3 Antibody (C-term) Blocking Peptide - Background

This gene encodes a member of the PSCD (pleckstrin homology, Sec7 and coiled-coil domains) family. PSCD family members have identical structural organization that consists of an N-terminal coiled-coil motif, a central Sec7 domain, and a C-terminal pleckstrin homology (PH) domain. The coiled-coil motif is involved in homodimerization, the Sec7 domain contains guanine-nucleotide exchange protein (GEP) activity, and the PH domain interacts with phospholipids and is responsible for association of PSCDs with membranes. Members of this family appear to mediate the regulation of protein sorting and membrane trafficking. This encoded protein is involved in the control of Golgi structure and function, and it may have a physiological role in regulating ADP-ribosylation factor protein 6 (ARF) functions, in addition to acting on ARF1.

CYTH3 Antibody (C-term) Blocking Peptide - References

Morishige, M., et al. Nat. Cell Biol. 10(1):85-92(2008) Poirier, M.B., et al. Mol. Endocrinol. 19(8):1991-2005(2005) Nevrivy, D.J., et al. J. Biol. Chem. 275(22):16827-16836(2000) Ogasawara, M., et al. J. Biol. Chem. 275(5):3221-3230(2000)