10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CYTH1 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP14202a

Specification

CYTH1 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Q15438

CYTH1 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 9267

Other Names
Cytohesin-1, PH, SEC7 and coiled-coil domain-containing protein 1, SEC7 homolog B2-1, CYTH1, D17S811E, PSCD1

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.

CYTH1 Antibody (N-term) Blocking Peptide - Protein Information

Name CYTH1 (HGNC:9501)

Synonyms D17S811E, PSCD1

Function
Promotes guanine-nucleotide exchange on ARF1, ARF5 and ARF6. Promotes the activation of ARF factors through replacement of GDP with GTP. Plays an important role in membrane trafficking, during junctional remodeling and epithelial polarization, through regulation of ARF6 activity.

Cellular Location
Cell membrane; Peripheral membrane protein. Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q9QX11}. Cell junction, tight junction {ECO:0000250|UniProtKB:Q9QX11}. Cell junction, adherens junction {ECO:0000250|UniProtKB:Q9QX11}. Note=Colocalized with TJP1 during epithelial polarization. {ECO:0000250|UniProtKB:Q9QX11}

Tissue Location
Ubiquitous.

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CYTH1 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

CYTH1 Antibody (N-term) Blocking Peptide - Images

CYTH1 Antibody (N-term) Blocking Peptide - Background

The protein encoded by this gene is a member of the PSCDfamily. Members of this family have identical structuralorganization that consists of an N-terminal coiled-coil motif, acentral Sec7 domain, and a C-terminal pleckstrin homology (PH)domain. The coiled-coil motif is involved in homodimerization, theSec7 domain contains guanine-nucleotide exchange protein (GEP)activity, and the PH domain interacts with phospholipids and isresponsible for association of PSCDs with membranes. Members ofthis family appear to mediate the regulation of protein sorting andmembrane trafficking. This gene is highly expressed in naturalkiller and peripheral T cells, and regulates the adhesiveness ofintegrins at the plasma membrane of lymphocytes. The encodedprotein is 83% homologous to that of CYTH2.

CYTH1 Antibody (N-term) Blocking Peptide - References

El Azreq, M.A., et al. J. Immunol. 184(2):637-649(2010)Quast, T., et al. Blood 113(23):5801-5810(2009)Sendide, K., et al. J. Immunol. 174(7):4210-4219(2005)Boehm, T., et al. EMBO J. 22(5):1014-1024(2003)Mansour, M., et al. J. Biol. Chem. 277(35):32302-32309(2002)