

CYTH1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP14202a**Specification**

CYTH1 Antibody (N-term) Blocking Peptide - Product InformationPrimary 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 LocationCell 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.

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 PSCD family. Members of this family 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 gene is highly expressed in natural killer and peripheral T cells, and regulates the adhesiveness of integrins at the plasma membrane of lymphocytes. The encoded protein 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)