

**CYTH4 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP16507b****Specification**

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**CYTH4 Antibody (C-term) Blocking Peptide - Product Information**

Primary Accession [Q9UIA0](#)

**CYTH4 Antibody (C-term) Blocking Peptide - Additional Information**

**Gene ID** 27128

**Other Names**

Cytohesin-4, PH, SEC7 and coiled-coil domain-containing protein 4, CYTH4, CYT4, PSCD4

**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.

**CYTH4 Antibody (C-term) Blocking Peptide - Protein Information**

**Name** CYTH4

**Synonyms** CYT4, PSCD4

**Function**

Promotes guanine-nucleotide exchange on ARF1 and ARF5. Promotes the activation of ARF factors through replacement of GDP with GTP.

**Cellular Location**

Cell membrane; Peripheral membrane protein

**Tissue Location**

Expressed predominantly in peripheral blood leukocytes.

**CYTH4 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**CYTH4 Antibody (C-term) Blocking Peptide - Images****CYTH4 Antibody (C-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. The encoded protein exhibits GEP activity *in vitro* with both ARF1 and ARF5 but is inactive with ARF6. The structures of this gene and CYTH1 are very similar. [provided by RefSeq].

**CYTH4 Antibody (C-term) Blocking Peptide - References**

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) ; Morishige, M., et al. Nat. Cell Biol. 10(1):85-92(2008) ; Beausoleil, S.A., et al. Proc. Natl. Acad. Sci. U.S.A. 101(33):12130-12135(2004) ; Beausoleil, S.A., et al. Proc. Natl. Acad. Sci. U.S.A. 101(33):12130-12135(2004) ; Collins, J.E., et al. Genome Biol. 5 (10), R84 (2004) :