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

TRAPPC4 Blocking Peptide (N-term)

Synthetic peptide
Catalog # BP1457a

Specification

TRAPPC4 Blocking Peptide (N-term) - Product Information

Primary Accession Q9Y296

TRAPPC4 Blocking Peptide (N-term) - Additional Information

Gene ID 51399

Other Names
Trafficking protein particle complex subunit 4, Hematopoietic stem/progenitor cell protein 172, Synbindin, TRS23 homolog, TRAPPC4, SBDN

Target/Specificity
The synthetic peptide sequence is selected from aa 69-84 of HUMAN TRAPPC4

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.

TRAPPC4 Blocking Peptide (N-term) - Protein Information

Name TRAPPC4 (HGNC:19943)

Function
Core component of the TRAPP complexes which has a function of guanine nucleotide exchange factor activity for Rab1 GTPase (Probable). Plays a role in vesicular transport from endoplasmic reticulum to Golgi and autophagy (PubMed:31794024). May play a role in dendrite postsynaptic membrane trafficking (By similarity).

Cellular Location
Postsynaptic cell membrane {ECO:0000250|UniProtKB:Q9ES56}. Golgi apparatus membrane {ECO:0000250|UniProtKB:Q9ES56}. Endoplasmic reticulum {ECO:0000250|UniProtKB:Q9ES56}. Vesicle {ECO:0000250|UniProtKB:Q9ES56} Note=Associated with postsynaptic membranes and in intracellular cisterns and vesicles (Golgi). {ECO:0000250|UniProtKB:Q9ES56}

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

TRAPPC4 Blocking Peptide (N-term) - Protocols

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

- Blocking Peptides

TRAPPC4 Blocking Peptide (N-term) - Images

TRAPPC4 Blocking Peptide (N-term) - Background

TRAPPC4 is part of the multisubunit TRAPP (transport protein particle) complex and interacts with SDC2. It may play a role in vesicular transport from endoplasmic reticulum to Golgi. TRAPP proteins are involved in tethering during vesicle transport.

TRAPPC4 Blocking Peptide (N-term) - References

Gavin,A.C., Nature 415 (6868), 141-147 (2002)
Ethell,I.M., J. Cell Biol. 151 (1), 53-68 (2000)