

SYNJ2 Blocking Peptide (Center)
Synthetic peptide
Catalog # BP19970c**Specification**

SYNJ2 Blocking Peptide (Center) - Product Information

Primary Accession [O15056](#)
Other Accession [NP_003889.1](#)

SYNJ2 Blocking Peptide (Center) - Additional Information

Gene ID 8871

Other Names

Synaptojanin-2, Synaptic inositol 1, 5-trisphosphate 5-phosphatase 2, SYNJ2, KIAA0348

Target/Specificity

The synthetic peptide sequence is selected from aa 694-707 of HUMAN SYNJ2

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.

SYNJ2 Blocking Peptide (Center) - Protein Information

Name SYNJ2

Synonyms KIAA0348

Function

Inositol 5-phosphatase which may be involved in distinct membrane trafficking and signal transduction pathways. May mediate the inhibitory effect of Rac1 on endocytosis.

Cellular Location

Cytoplasm. Cell membrane. Membrane raft. Presynapse {ECO:0000250|UniProtKB:O55207}. Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:O55207}. Note=Localizes at presynapse terminals in brain and at bundles of microtubules surrounding the nucleus in the elongating spermatids corresponding to the manchette (By similarity) Translocates from the cytoplasm to membrane ruffles in a RAC1-dependent manner (PubMed:11084340).

SYNJ2 Blocking Peptide (Center) - Protocols

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

- [Blocking Peptides](#)

SYNJ2 Blocking Peptide (Center) - Images

SYNJ2 Blocking Peptide (Center) - Background

The gene is a member of the inositol-polyphosphate 5-phosphatase family. The encoded protein interacts with the ras-related C3 botulinum toxin substrate 1, which causes translocation of the encoded protein to the plasma membrane where it inhibits clathrin-mediated endocytosis. Alternative splicing results in multiple transcript variants.

SYNJ2 Blocking Peptide (Center) - References

Rikova, K., et al. Cell 131(6):1190-1203(2007)
Ieguchi, K., et al. J. Biol. Chem. 282(32):23296-23305(2007)
Rossi, M.R., et al. Cancer Genet. Cytogenet. 161(2):97-103(2005)
Chuang, Y.Y., et al. Cancer Res. 64(22):8271-8275(2004)
Spaenij-Dekking, E.H., et al. Leukemia 17(12):2467-2473(2003)