

SYNGR2 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP16618a**Specification**

SYNGR2 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [O43760](#)**SYNGR2 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 9144**Other Names**

Synaptogyrin-2, Cellugyrin, SYNGR2

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.

SYNGR2 Antibody (N-term) Blocking Peptide - Protein Information**Name** SYNGR2 ([HGNC:11499](#))**Function**

May play a role in regulated exocytosis. In neuronal cells, modulates the localization of synaptophysin/SYP into synaptic-like microvesicles and may therefore play a role in the formation and/or the maturation of this vesicles. May also play a role in GLUT4 storage and transport to the plasma membrane.

Cellular Location

Cytoplasmic vesicle membrane {ECO:0000250|UniProtKB:O54980}; Multi-pass membrane protein. Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane {ECO:0000250|UniProtKB:O54980}; Multi-pass membrane protein. Note=Localizes to cytoplasmic vesicles associated with the recycling endosomes. {ECO:0000250|UniProtKB:O54980}

Tissue Location

Ubiquitous; low expression in brain.

SYNGR2 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SYNGR2 Antibody (N-term) Blocking Peptide - Images

SYNGR2 Antibody (N-term) Blocking Peptide - Background

This gene encodes an integral membrane protein containing four transmembrane regions and a C-terminal cytoplasmic tail that is tyrosine phosphorylated. The exact function of this protein is unclear, but studies of a similar rat protein suggest that it may play a role in regulating membrane traffic in non-neuronal cells. The gene belongs to the synaptogyrin gene family. [provided by RefSeq].

SYNGR2 Antibody (N-term) Blocking Peptide - References

Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003) Kedra, D., et al. Hum. Genet. 103(2):131-141(1998) Janz, R., et al. J. Biol. Chem. 273(5):2851-2857(1998)