

**SYNGR1 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP16240b****Specification**

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**SYNGR1 Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [O43759](#)**SYNGR1 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 9145**Other Names**

Synaptogyrin-1, SYNGR1

**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.

**SYNGR1 Antibody (C-term) Blocking Peptide - Protein Information****Name** SYNGR1 ([HGNC:11498](#))**Function**

May play a role in regulated exocytosis. Modulates the localization of synaptophysin/SYP into synaptic-like microvesicles and may therefore play a role in synaptic-like microvesicle formation and/or maturation (By similarity). Involved in the regulation of short- term and long-term synaptic plasticity (By similarity).

**Cellular Location**

Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane {ECO:0000250|UniProtKB:Q62876}; Multi-pass membrane protein {ECO:0000250|UniProtKB:Q62876}. Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV

**SYNGR1 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**SYNGR1 Antibody (C-term) Blocking Peptide - Images****SYNGR1 Antibody (C-term) Blocking Peptide - Background**

SYNGR1 is an integral membrane protein associated with presynaptic vesicles in neuronal cells. The exact function of this protein is unclear, but studies of a similar murine protein suggest that it functions in synaptic plasticity without being required for synaptic transmission. The gene product belongs to the synaptogyrin gene family.

**SYNGR1 Antibody (C-term) Blocking Peptide - References**

Iatropoulos, P., et al. Psychiatr. Genet. 19(5):237-243(2009) Wang, Y., et al. Psychiatry Res 169(2):167-168(2009) Cheng, M.C., et al. J Psychiatr Res 41(12):1027-1031(2007) Chi, A., et al. J. Proteome Res. 5(11):3135-3144(2006) Verma, R., et al. J. Hum. Genet. 50(12):635-640(2005)