

SYT2 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP13771c**Specification**

SYT2 Antibody (Center) Blocking peptide - Product InformationPrimary Accession [Q8N9I0](#)**SYT2 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 127833**Other Names**

Synaptotagmin-2, Synaptotagmin II, SytII, SYT2

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13771c was selected from the Center region of SYT2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

SYT2 Antibody (Center) Blocking peptide - Protein Information**Name** SYT2 ([HGNC:11510](#))**Function**

Exhibits calcium-dependent phospholipid and inositol polyphosphate binding properties (By similarity). May have a regulatory role in the membrane interactions during trafficking of synaptic vesicles at the active zone of the synapse (By similarity). Plays a role in dendrite formation by melanocytes (PubMed: <http://www.uniprot.org/citations/23999003> target="_blank">23999003).

Cellular Location

Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane {ECO:0000250|UniProtKB:P29101}; Single-pass membrane protein. Cytoplasmic vesicle, secretory vesicle, chromaffin granule membrane {ECO:0000250|UniProtKB:P21707}; Single-pass membrane protein {ECO:0000250|UniProtKB:P29101}. Cytoplasm {ECO:0000250|UniProtKB:P29101}

Tissue Location

Expressed at the neuromuscular junction (PubMed:33659639). Expressed in melanocytes (PubMed:23999003)

SYT2 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

SYT2 Antibody (Center) Blocking peptide - Images

SYT2 Antibody (Center) Blocking peptide - Background

Synaptotagmins, like SYT2, are integral membrane proteins of synaptic vesicles thought to serve as Ca^{2+} sensors in the process of vesicular trafficking and exocytosis (Hilbush and Morgan, 1994 [PubMed 8058779]).

SYT2 Antibody (Center) Blocking peptide - References

Young, S.M. Jr., et al. Neuron 63(4):482-496(2009) Han, C., et al. J. Immunol. 182(5):2986-2996(2009) Laohavisit, A., et al. Plant Cell 21(2):479-493(2009) Shi, J., et al. Biochem. Biophys. Res. Commun. 374(2):331-335(2008) Lee, B.H., et al. Mol. Cell 15(5):741-751(2004)