

**Anti-SYT1 / Synaptotagmin Antibody**  
**Rabbit Anti Human Polyclonal Antibody**  
**Catalog # ALS18160****Specification**

---

**Anti-SYT1 / Synaptotagmin Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB, IHC-P, IF          |
| Primary Accession | <a href="#">P21579</a> |
| Predicted         | Human, Mouse, Rat      |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Isotype           | IgG                    |
| Calculated MW     | 47573                  |

**Anti-SYT1 / Synaptotagmin Antibody - Additional Information****Gene ID** 6857**Alias Symbol** SYT1**Other Names**

SYT1, SYT, SVP65, Synaptotagmin, Synaptotagmin 1, SytI, Synaptotagmin I, Synaptotagmin-1

**Target/Specificity**

Human SYT1 / Synaptotagmin

**Reconstitution & Storage**

Affinity purified

**Precautions**

Anti-SYT1 / Synaptotagmin Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Anti-SYT1 / Synaptotagmin Antibody - Protein Information****Name** SYT1 ([HGNC:11509](#))**Synonyms** SVP65, SYT**Function**

Calcium sensor that participates in triggering neurotransmitter release at the synapse (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). It binds acidic phospholipids with a specificity that requires the presence of both an acidic head group and a diacyl backbone. A Ca(2+)-dependent interaction between synaptotagmin and putative receptors for activated protein kinase C has also been reported. It can bind to at least three additional proteins in a Ca(2+)-independent manner; these are neurexins, syntaxin and AP2. Plays a role in dendrite formation by melanocytes (PubMed: <a href="http://www.uniprot.org/citations/23999003" target="\_blank">23999003</a>).

**Cellular Location**

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

**Tissue Location**

Expressed in melanocytes (PubMed:23999003).

**Anti-SYT1 / Synaptotagmin Antibody - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-SYT1 / Synaptotagmin Antibody - Images**