

Anti-SYT1 / Synaptotagmin Antibody (clone 1A6)
Mouse Anti Human Monoclonal Antibody
Catalog # ALS17668**Specification**

Anti-SYT1 / Synaptotagmin Antibody (clone 1A6) - Product Information

Application	WB, IHC-P, E
Primary Accession	P21579
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a,k
Calculated MW	47573

Anti-SYT1 / Synaptotagmin Antibody (clone 1A6) - Additional Information**Gene ID** 6857**Alias Symbol** SYT1**Other Names**

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

Target/Specificity

Human Synaptotagmin I

Reconstitution & Storage

Protein A purified

Precautions

Anti-SYT1 / Synaptotagmin Antibody (clone 1A6) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-SYT1 / Synaptotagmin Antibody (clone 1A6) - 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 neuroligins, syntaxin and AP2. Plays a role in dendrite formation by melanocytes (PubMed: 23999003).

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 (clone 1A6) - 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 (clone 1A6) - Images