

Anti-SYT1 / Synaptotagmin Antibody (clone 1A6)

Mouse Anti Human Monoclonal Antibody

Catalog # ALS17668

Product Information

Application	WB, IHC-P, E
Primary Accession	P21579
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Names	1A6
Calculated MW	47573
Concentration (mg/ml)	0.45 mg/ml

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.

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: 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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.