

Anti-SYT1 / Synaptotagmin Antibody

Rabbit Anti Human Polyclonal Antibody

Catalog # ALS18160

Product Information

Application	WB, IHC-P, IF
Primary Accession	P21579
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	47573

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.

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'.