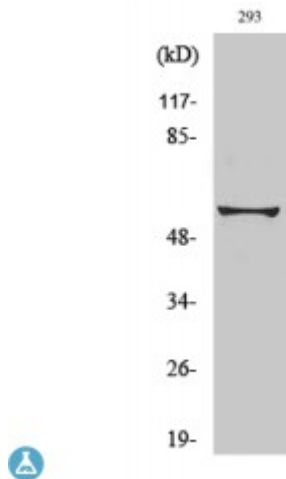


Anti-Synaptotagmin antibody



Description	Rabbit polyclonal to Synaptotagmin.
Model	STJ95849
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human Synaptotagmin 1/2 around the non-phosphorylation site of S309/306.
Immunogen Region	250-330 aa
Gene ID	6857
Gene Symbol	SYT1
Dilution range	WB 1:500-1:2000IHC 1:100-1:300ELISA 1:20000
Specificity	Synaptotagmin Polyclonal Antibody detects endogenous levels of Synaptotagmin protein.
Tissue Specificity	Expressed in melanocytes .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Synaptotagmin-1 Synaptotagmin I SytI p65
Molecular Weight	65/50 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:11509OMIM:185605
Alternative Names	Synaptotagmin-1 Synaptotagmin I SytI p65
Function	May have a regulatory role in the membrane interactions during trafficking of synaptic vesicles at the active zone of the synapse. 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 .
Sequence and Domain Family	The first C2 domain mediates Ca(2+)-dependent phospholipid binding. The second C2 domain mediates interaction with SV2A and probably with STN2.
Cellular Localization	Cytoplasmic vesicle, secretory vesicle membrane Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane Cytoplasmic vesicle, secretory vesicle, chromaffin granule membrane Cytoplasm. Synaptic vesicles and chromaffin granules.

St John's Laboratory Ltd

F +44 (0)207 681 2580
T +44 (0)208 223 3081

W <http://www.stjohnslabs.com/>
E info@stjohnslabs.com