SYT11 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SYT11, Polyclonal Antibody
Full Product Name	SYT11 Conjugated Antibody
Product Gene Name	anti-SYT11 antibody
Product Synonym Names	Synaptotagmin XI; SytXI
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Specificity	The antibody detects endogenous levels of total SYT11 protein.
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	48,297 Da
Chromosome Location	Chromosome: 1; NC_000001.10 (155829260..155854990). Location: 1q21.2
OMIM	608741
3D Structure	ModBase 3D Structure for Q9BT88
Immunogen	Synthesized peptide derived from internal of human SYT11.
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-SYT11 antibody	Most Applications
Application Notes for anti-SYT11 antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-SYT11 antibody	May be involved in Ca2+-dependent exocytosis of secretory vesicles through Ca2+ and phospholipid binding to the C2 domain or may serve as Ca2+ sensors in the process of vesicular trafficking and exocytosis by similarity.
Other Notes	Small volumes of anti-SYT11 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for SYT11 purchase	MBS9445803 is an antibody targeting SYT11. Also known as SYT11 Conjugated Antibody. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SYT11. It may not necessarily be applicable to this product.

NCBI GI #	216548478
NCBI GeneID	23208
NCBI Accession #	NP_689493.3
UniProt Primary Accession #	Q9BT88
UniProt Secondary Accession #	Q14998; Q5W0D4; Q68CT5; Q8IXU3; Q96SU2
UniProt Related Accession #	Q9BT88
GenBank Nucleotide #	NM_152280.4
NCBI Official Full Name	synaptotagmin-11
NCBI Official Synonym Full Names	synaptotagmin XI
NCBI Official Symbol	SYT11
NCBI Official Synonym Symbols	SYT12; sytXI
UniProt Protein Name	Synaptotagmin-11
UniProt Synonym Protein Names	Synaptotagmin XI
Protein Family	Synaptotagmin
UniProt Gene Name	SYT11
UniProt Synonym Gene Names	KIAA0080; SytXI
UniProt Entry Name	SYT11_HUMAN
NCBI Protein Information	synaptotagmin-11; synaptotagmin 12
NCBI Summary for SYT11	This gene is a member of the synaptotagmin gene family and encodes a protein similar to other family members that are known calcium sensors and mediate calcium-dependent regulation of membrane trafficking in synaptic transmission. The encoded protein is also a substrate for ubiquitin-E3-ligase parkin. The gene has previously been referred to as synaptotagmin XII but has been renamed synaptotagmin XI to be consistent with mouse and rat official nomenclature. [provided by RefSeq, Apr 2010]
UniProt Comments for SYT11	SYT11: May be involved in Ca(2+)-dependent exocytosis of secretory vesicles through Ca(2+) and phospholipid binding to the C2 domain or may serve as Ca(2+) sensors in the process of vesicular trafficking and exocytosis. Belongs to the synaptotagmin family. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 1q21.2 Cellular Component: synaptic vesicle; synaptic vesicle membrane; integral to plasma membrane; cell junction Molecular Function: protein binding; calcium-dependent phospholipid binding; transporter activity; calcium ion binding Biological Process: transport; negative regulation of neurotransmitter secretion
Research Articles on SYT11	**1.** Clinical trial of gene-disease association, gene-environment interaction, and pharmacogenomic / toxicogenomic. (HuGE Navigator)
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