SYT11 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SYT11, Polyclonal Antibody
Full Product Name	SYT11 Antibody
Product Gene Name	anti-SYT11 antibody
Product Synonym Names	Synaptotagmin XI; SytXI
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Specificity	The antibody detects endogenous levels of total SYT11 protein.
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.
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.
Product Categories/Family for anti-SYT11 antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-SYT11 antibody	Western Blot (WB)
Application Notes for anti-SYT11 antibody	WB: 1:500~1:3000
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.
Product References and Citations for anti-SYT11 antibody	Nomura N., DNA Res. 1:223-229 (1994).Ohara O., Submitted (JAN-2005) to the EMBL/GenBank/DDBJ databases.Bechtel S., BMC Genomics 8:399-399 (2007
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	MBS8588646 is an antibody targeting SYT11. Also known as SYT11 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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