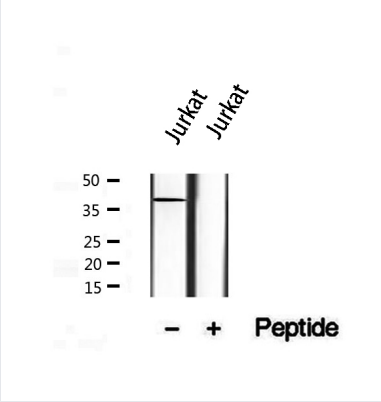
Syntaxin 16 (STX16) Antibody – Rabbit Polyclonal

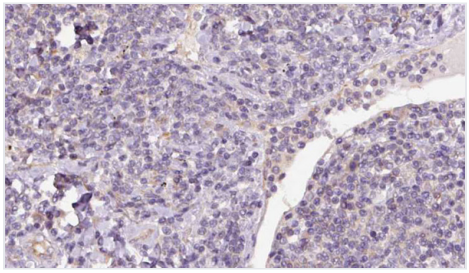
PRODUCT OVERVIEW

Product Name	Syntaxin 16 (STX16), Polyclonal Antibody
Full Product Name	Syntaxin 16 Antibody
Product Gene Name	anti-STX16 antibody
Product Synonym Names	hsyn16; MGC90328; Stx16; STX16_HUMAN; Syn16; Syntaxin-16
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Concentration	1mg/ml (lot specific)
Specificity	Syntaxin 16 antibody detects endogenous levels of Syntaxin 16.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.
Antibody/Peptide Pairs	Syntaxin 16 peptide (MBS9621035) is used for blocking the activity of Syntaxin 16 antibody (MBS9603558)
Molecular Weight	Observed: 42 kDa Predicted: 38 kDa
3D Structure	ModBase 3D Structure for O14662
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Immunogen	A synthesized peptide derived from human Syntaxin 16.
Subcellular Location	Cytoplasm and Golgi Apparatus Membrane.
Tissue Specificity	Ubiquitous.
Predicted Cross Reactivity	**Bovine, Dog**
Similarity	Bovine (100%), Dog (100%)
Conjugation	Unconjugated
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-STX16 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-STX16 antibody	WB: 1:500-1:2000 IHC: 1:50-1:200
Related Product Information for anti-STX16 antibody	Function: SNARE involved in vesicular transport from the late endosomes to the trans-Golgi network. Subunit Structure: Interacts with GCC2 (PubMed:18195106). Interacts with BAIAP3; this interaction is increased in the presence of calcium (PubMed:28626000). Similarity: Belongs to the syntaxin family.

Other Notes	Small volumes of anti-STX16 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 STX16 purchase	MBS9603558 is an antibody targeting STX16. Also known as Syntaxin 16 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-STX16 antibody
Western blot analysis of extracts from Jurkat, using Syntaxin 16 antibody.



Immunohistochemistry (IHC) of anti-STX16 antibody
MBS9603558 at 1/100 staining Human lymph cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for STX16. It may not necessarily be applicable to this product.

NCBI GI #	47778943
NCBI GeneID	8675
NCBI Accession #	NP_001001433.1
UniProt Primary Accession #	O14662
UniProt Secondary Accession #	O14661; O14663; O60517; A6NK32; A6NN69; A8MPP0; B7ZBN1; B7ZBN2; B7ZBN3; E1P5M0; E1P607
UniProt Related Accession #	O14662
GenBank Nucleotide #	NM_001001433.2
NCBI Official Full Name	syntaxin-16 isoform a
NCBI Official Synonym Full Names	syntaxin 16
NCBI Official Symbol	STX16
NCBI Official Synonym Symbols	SYN16
UniProt Protein Name	Syntaxin-16
Protein Family	Syntaxin
UniProt Gene Name	STX16
UniProt Synonym Gene Names	Syn16
NCBI Protein Information	syntaxin-16
NCBI Summary for STX16	This gene encodes a protein that is a member of the syntaxin or t-SNARE (target-SNAP receptor) family. These proteins are found on cell membranes and serve as the targets for V-SNARES (vesicle-SNAP receptors) permitting specific synaptic vesicle docking and fusion. A microdeletion in the region of chromosome 20 where this gene is located has been associated with pseudohypoparathyroidism type Ib. Multiple transcript variants have been found for this gene. Read-through transcription also exists between this gene and the neighboring downstream aminopeptidase-like 1 (NPEPL1) gene. [provided by RefSeq, Mar 2011]
UniProt Comments for STX16	SNARE involved in vesicular transport from the late endosomes to the trans-Golgi network.

Research Articles on STX16	**1.** we here present a patient with PHP1b caused by a recurrent STX16 deletion, presenting with macrosomia, early onset obesity, and macrocephaly without other AHO symptoms. we reemphasize STX16 deletions and PHP1b as a rare cause for early onset obesity and macrosomia.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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