STX5 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	STX5, Polyclonal Antibody
Full Product Name	STX5 Polyclonal Conjugated Antibody
Product Gene Name	anti-STX5 antibody
Product Synonym Names	STX5 Conjugated Antibody; STX5; SED5; STX5A; syntaxin-5
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Rat
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Purity/Purification	Affinity purification
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	35,474 Da
3D Structure	ModBase 3D Structure for Q13190
Immunogen	Recombinant fusion protein of human STX5 (NP_003155.2).
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-STX5 antibody	Most Applications
Application Notes for anti-STX5 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-STX5 antibody	This gene encodes 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. The encoded protein regulates endoplasmic reticulum to Golgi transport and plays a critical role in autophagy. Autoantibodies targeting the encoded protein may be a identification marker for endometriosis. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
Other Notes	Small volumes of anti-STX5 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 STX5 purchase	MBS9442727 is an antibody targeting STX5. Also known as STX5 Polyclonal Conjugated Antibody. Reactive in Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for STX5. It may not necessarily be applicable to this product.

NCBI GI #	94400932
NCBI GeneID	6811
NCBI Accession #	NP_003155.2
UniProt Primary Accession #	Q13190
UniProt Secondary Accession #	Q5U0D4; Q7Z3T6; Q9BUG1; B2R8T2; F8W8Q9
UniProt Related Accession #	Q13190
GenBank Nucleotide #	NM_003164.4
NCBI Official Full Name	syntaxin-5 isoform 1
NCBI Official Synonym Full Names	syntaxin 5
NCBI Official Symbol	STX5
NCBI Official Synonym Symbols	SED5; STX5A
UniProt Protein Name	Syntaxin-5
Protein Family	Syntaxin
UniProt Gene Name	STX5
UniProt Synonym Gene Names	STX5A
NCBI Protein Information	syntaxin-5; syntaxin 5A
NCBI Summary for STX5	This gene encodes 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. The encoded protein regulates endoplasmic reticulum to Golgi transport and plays a critical role in autophagy. Autoantibodies targeting the encoded protein may be a diagnostic marker for endometriosis. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Sep 2011]
UniProt Comments for STX5	Mediates endoplasmic reticulum to Golgi transport. Together with p115/USO1 and GM130/GOLGA2, involved in vesicle tethering and fusion at the cis-Golgi membrane to maintain the stacked and inter-connected structure of the Golgi apparatus.
Research Articles on STX5	**1.** Stx5 might play a role in modulating VLDL-R physiology by participating in an abrasively described or completely novel Golgi-bypass pathway.
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