STX5 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	STX5, Polyclonal Antibody
Full Product Name	STX5, ID (STX5, STX5A, Syntaxin-5) (MaxLight 650)
Product Gene Name	anti-STX5 antibody
Product Synonym Names	STX5; STX5A; Syntaxin-5
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight650 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	35,474 Da
3D Structure	ModBase 3D Structure for Q13190
Immunogen	STX5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 179-209 amino acids from the Central region of human STX5.
Conjugate	MaxLight650
Note	Preservative Free
Product Categories/Family for anti-STX5 antibody	Antibodies; Syntaxin; Synaptotagmin; Synaptophysin
Applications Tested/Suitable for anti-STX5 antibody	Western Blot (WB), FLISA
Application Notes for anti-STX5 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-STX5 antibody	MBS6352376 is an antibody targeting STX5. Also known as STX5, ID (STX5, STX5A, Syntaxin-5) (MaxLight 650). Reactive in Human, Mouse. Host: Rabbit. STX5 mediates endoplasmic reticulum to Golgi transport (By similarity).
Product References and Citations for anti-STX5 antibody	Laufman, O., et al. EMBO J. 28(14):2006-2017(2009). Diao, A., et al. J. Biol. Chem. 283(11):6957-6967(2008). Amessou, M., et al. J. Cell. Sci. 120 (PT 8), 1457-1468 (2007): Wang, A.G., et al. Biochem. Biophys. Res. Commun. 345(3):1022-1032(2006). Suga, K., et al. FEBS Lett. 579(20):4226-4234(2005).
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.

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.
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
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.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-mouse-antibody/stx5/6352376