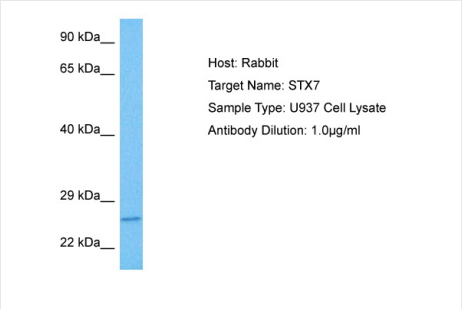
STX7 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	STX7, Polyclonal Antibody
Full Product Name	STX7 Antibody - middle region
Product Gene Name	anti-STX7 antibody
Immunogen Sequence	Synthetic peptide located within the following region: YIKEFGSLPT TPSEQRQRKI QKDRLVAEFT TSLTNFQKVQ RQAAEREKEF
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purity/Purification	Affinity purified
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	STX7 peptide (MBS3246753) is used for blocking the activity of STX7 antibody (MBS3222046)
Molecular Weight	26 kDa
OMIM	603217
3D Structure	ModBase 3D Structure for O15400
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of Human STX7
Product Categories/Family for anti-STX7 antibody	Polyclonal; Membrane & Traffic
Applications Tested/Suitable for anti-STX7 antibody	Western Blot (WB)
Related Product Information for anti-STX7 antibody	May be involved in protein trafficking from the plasma membrane to the early endosome (EE) as well as in homotypic fusion of endocytic organelles. Mediates the endocytic trafficking from early endosomes to late endosomes and lysosomes.
Other Notes	Small volumes of anti-STX7 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 STX7 purchase	MBS3222046 is an antibody targeting STX7. Also known as STX7 Antibody - middle region. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-STX7 antibody
Host: RabbitTarget Name: STX7Sample Tissue: Human U937 Whole Cell lysatesAntibody Dilution: 1ug/ml

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for STX7. It may not necessarily be applicable to this product.

NCBI GI #	170932494
NCBI GeneID	8417
NCBI Accession #	NP_003560.2
UniProt Primary Accession #	O15400
UniProt Related Accession #	O15400
GenBank Nucleotide #	NM_003569.2
NCBI Official Full Name	syntaxin-7 isoform a
NCBI Official Synonym Full Names	syntaxin 7
NCBI Official Symbol	STX7
UniProt Protein Name	Syntaxin-7
Protein Family	Syntaxin
UniProt Gene Name	STX7
UniProt Entry Name	STX7_HUMAN
NCBI Protein Information	syntaxin-7
NCBI Summary for STX7	The protein encoded by this gene is a syntaxin family membrane receptor involved in vesicle transport. The encoded protein binds alpha-SNAP, an important regulator of transport vesicle fusion. Along with syntaxin 13, this protein plays a role in the ordered fusion of endosomes and lysosomes with the phagosome. [provided by RefSeq, May 2016]

UniProt Comments for STX7	STX7: May be involved in protein trafficking from the plasma membrane to the early endosome (EE) as well as in homotypic fusion of endocytic organelles. Mediates the endocytic trafficking from early endosomes to late endosomes and lysosomes. Belongs to the syntaxin family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Vesicle; Membrane protein, integral Chromosomal Location of Human Ortholog: 6q23.1 Cellular Component: intracellular membrane-bound organelle; lysosomal membrane; lysosome; early endosome; integral to membrane; immunological synapse; endomembrane system; SNARE complex; azurophil granule; recycling endosome; endocytic vesicle; perinuclear region of cytoplasm; early endosome membrane; late endosome; plasma membrane; vesicle; endosome Molecular Function: SNAP receptor activity; SNARE binding; chloride channel inhibitor activity; syntaxin binding Biological Process: vesicle fusion; intracellular protein transport; organelle localization; vesicle docking; positive regulation of T cell mediated cytotoxicity
Research Articles on STX7	**1.** Data suggest that accumulation of recycling T cell receptors at the immunological synapse is SNARE-dependent and that Stx7-mediated processing of recycling TCRs through endosomes is a prerequisite for the cytolytic function of cytotoxic T lymphocytes.
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