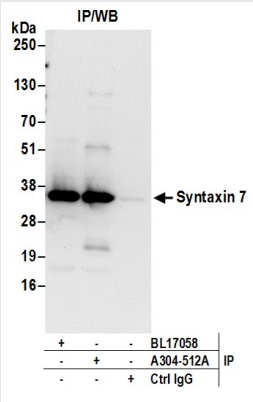
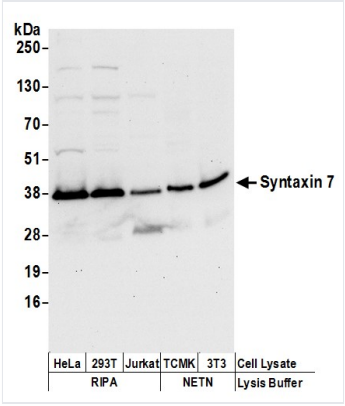
Syntaxin 7 (STX7) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Syntaxin 7 (STX7), Polyclonal Antibody
Full Product Name	Rabbit anti-Syntaxin 7 Antibody, Affinity Purified
Product Gene Name	anti-STX7 antibody
Product Synonym Names	syntaxin-7; Syntaxin-7; syntaxin 7
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Purity/Purification	Antigen Affinity Purified
Concentration	1000ug/ml (lot specific)
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt
Molecular Weight	29,816 Da
Chromosome Location	Chromosome: 6; NC_000006.12 (132457524..132513198, complement). Location: 6q23.1
OMIM	603217
3D Structure	ModBase 3D Structure for O15400
Predicted Reactivity	Orangutan
Immunogen	Between 125 and 175
Conjugation	Unconjugated
Product Categories/Family for anti-STX7 antibody	Primary Antibodies
Applications Tested/Suitable for anti-STX7 antibody	Western Blot (WB), Immunoprecipitation (IP)
Application Notes for anti-STX7 antibody	WB: 1:2000-1:10,000 IP: 6ug/mg lysate
Related Product Information for anti-STX7 antibody	Syntaxin 7 may be involved in protein trafficking from the plasma membrane to the early endosome (EE) as well as in homotypic fusion of endocytic organelles. Syntaxin 7 mediates the endocytic trafficking from early endosomes to late endosomes and lysosomes [taken from the Universal Protein Resource (UniProt) www.uniprot.org/uniprot/O15400].
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	MBS3904683 is an antibody targeting STX7. Also known as Rabbit anti-Syntaxin 7 Antibody, Affinity Purified. Reactive in Human, Mouse. Host: Rabbit.



Immunoprecipitation (IP) of anti-STX7 antibody
Detection of human Syntaxin 7 by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from 293T cells prepared using RIPA lysis buffer. Antibodies: Affinity purified rabbit anti-Syntaxin 7 antibody MBS3904683 (lot MBS3904683-1) used for IP at 6 ug per reaction. Syntaxin 7 was also immunoprecipitated by rabbit anti-Syntaxin 7 antibody BL17058. For blotting immunoprecipitated Syntaxin 7, MBS3904683 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



Western Blot (WB) of anti-STX7 antibody
Detection of human and mouse Syntaxin 7 by western blot. Samples: Whole cell lysate (50 ug) from HeLa, HEK293T, Jurkat, mouse TCMK-1, and mouse NIH 3T3 cells prepared using NETN and RIPA lysis buffer. Antibodies: Affinity purified rabbit anti-Syntaxin 7 antibody MBS3904683 (lot MBS3904683-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.

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 Secondary Accession #	Q5SZW2; Q96ES9; E1P579
UniProt Related Accession #	O15400
GenBank Nucleotide #	NM_003569.2
NCBI Official Full Name	syntaxin-7
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

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
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