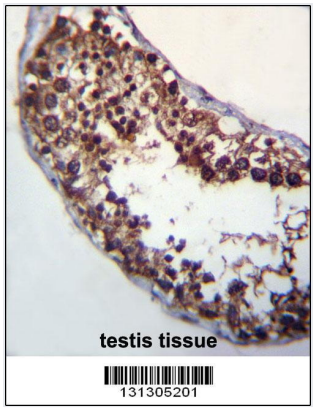
POMT1 Antibody – Rabbit Polyclonal

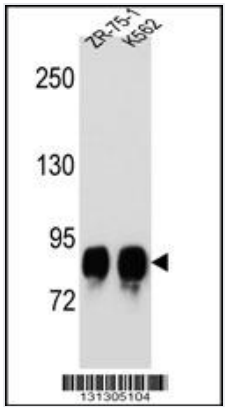
PRODUCT OVERVIEW

Product Name	POMT1, Polyclonal Antibody
Full Product Name	POMT1, CT (POMT1, Protein O-mannosyl-transferase 1, Dolichyl-phosphate-mannose-protein mannosyltransferase 1) (Azide free) (HRP)
Product Gene Name	anti-POMT1 antibody
Product Synonym Names	POMT1; Protein O-mannosyl-transferase 1; Dolichyl-phosphate-mannose--protein mannosyltransferase 1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	84,881 Da
OMIM	236670
3D Structure	ModBase 3D Structure for Q9Y6A1
Immunogen	POMT1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 713-743 amino acids from the C-terminal region of human POMT1.
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-POMT1 antibody	Antibodies; Enzymes; Transferase
Applications Tested/Suitable for anti-POMT1 antibody	Immunohistochemistry (IHC), ELISA (EIA), Western Blot (WB)
Application Notes for anti-POMT1 antibody	IHC: 1:10-50 ELISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-POMT1 antibody	The protein encoded by this gene is an O-mannosyltransferase that requires interaction with the product of the POMT2 gene for enzymatic function. The encoded protein is found in the membrane of the endoplasmic reticulum. Defects in this gene are a cause of Walker-Warburg syndrome (WWS) and limb-girdle muscular dystrophy type 2K (LGMD2K). Several transcript variants encoding different isoforms have been found for this gene.
Product References and Citations for anti-POMT1 antibody	Manya, H., et al. J. Biochem. 147(3):337-344(2010). Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010): Cotarelo, R.P., et al. Clin. Genet. 76(1):108-112(2009). Mercuri, E., et al. Neurology 72(21):1802-1809(2009). Judas, M., et al. Neuropediatrics 40(1):6-14(2009).

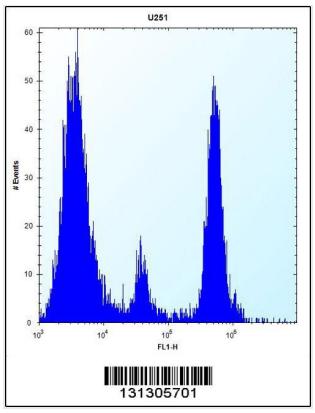
Other Notes	Small volumes of anti-POMT1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for POMT1 purchase	MBS6335844 is an antibody targeting POMT1. Also known as POMT1, CT (POMT1, Protein O-mannosyl-transferase 1, Dolichyl-phosphate-mannose-protein mannosyltransferase 1) (Azide free) (HRP). Reactive in Human. Host: Rabbit.



Immunohistochemistry (IHC) of anti-POMT1 antibody
POMT1 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human testis tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of POMT1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blot (WB) of anti-POMT1 antibody
POMT1 Antibody (C-term) western blot analysis in ZR-75-1,K562 cell line lysates (35ug/lane).This demonstrates the POMT1 antibody detected the POMT1 protein (arrow).



Flow Cytometry (FC/FACS) of anti-POMT1 antibody
POMT1 Antibody (C-term) flow cytometric analysis of U251 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for POMT1. It may not necessarily be applicable to this product.

NCBI GI #	116517317
NCBI GeneID	10585
NCBI Accession #	NP_001070833.1
NCBI Related Accession #	NP_001129586.1
UniProt Primary Accession #	Q9Y6A1
UniProt Secondary Accession #	Q5JT01; Q5JT06; Q5JT08; Q8NC91; Q8TCA9; Q9NX32; Q9NX82; Q9UNT2; B3KQG0; B4DIF0
UniProt Related Accession #	Q9Y6A1
GenBank Nucleotide #	NM_001077365.1

NCBI Official Full Name	protein O-mannosyl-transferase 1 isoform b
NCBI Official Synonym Full Names	protein-O-mannosyltransferase 1
NCBI Official Symbol	POMT1
NCBI Official Synonym Symbols	RT; LGMD2K; MDDGA1; MDDGB1; MDDGC1
UniProt Protein Name	Protein O-mannosyl-transferase 1
UniProt Synonym Protein Names	Dolichyl-phosphate-mannose--protein mannosyltransferase 1
Protein Family	Protein O-mannosyl-transferase
UniProt Gene Name	POMT1
UniProt Entry Name	POMT1_HUMAN
NCBI Protein Information	protein O-mannosyl-transferase 1; dolichyl-phosphate-mannose--protein mannosyltransferase 1
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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