XYLT1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	XYLT1, Polyclonal Antibody
Full Product Name	XYLT1, NT (XYLT1, XT1, Xylosyltransferase 1, Peptide O-xylosyltransferase 1, Xylosyltransferase I) (MaxLight 550)
Product Gene Name	anti-XYLT1 antibody
Product Synonym Names	XYLT1; XT1; Xylosyltransferase 1; Peptide O-xylosyltransferase 1; Xylosyltransferase I
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 MaxLight550.
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: MaxLight550 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	107,569 Da
OMIM	608124
3D Structure	ModBase 3D Structure for Q86Y38
Immunogen	XYLT1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 133-163 amino acids from the N-terminal region of human XYLT1.
Conjugate	MaxLight550
Note	Preservative Free
Product Categories/Family for anti-XYLT1 antibody	Antibodies; Enzymes
Applications Tested/Suitable for anti-XYLT1 antibody	Flow Cytometry (FC/FACS), FLISA, Western Blot (WB)
Application Notes for anti-XYLT1 antibody	FC/FACS: 1:10-50 FLISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-XYLT1 antibody	This locus encodes a xylosyltransferase enzyme. The encoded protein catalyzes transfer of UDP-xylose to serine residues of an acceptor protein substrate. This transfer reaction is necessary for biosynthesis of glycosaminoglycan chains. Mutations in this gene have been associated with increased severity of pseudoxanthoma elasticum.
Product References and Citations for anti-XYLT1 antibody	Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010): Muller, B., et al. J. Biol. Chem. 284(45):30775-30782(2009). Ponighaus, C., et al. Am. J. Hypertens. 22(4):432-436(2009). Ambrosius, M., et al. Clin. Biochem. 42 (1-2), 1-4 (2009): Schon, S., et al. J. Med. Genet. 43(9):745-749(2006).
Other Notes	Small volumes of anti-XYLT1 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 XYLT1 purchase	MBS6364156 is an antibody targeting XYLT1. Also known as XYLT1, NT (XYLT1, XT1, Xylosyltransferase 1, Peptide O-xylosyltransferase 1, Xylosyltransferase I) (MaxLight 550). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for XYLT1. It may not necessarily be applicable to this product.

NCBI GI #	28269693
NCBI GeneID	64131
NCBI Accession #	NP_071449.1
UniProt Primary Accession #	Q86Y38
UniProt Secondary Accession #	Q9H1B6
UniProt Related Accession #	Q86Y38
GenBank Nucleotide #	NM_022166.3
NCBI Official Full Name	xylosyltransferase 1
NCBI Official Synonym Full Names	xylosyltransferase I
NCBI Official Symbol	XYLT1
NCBI Official Synonym Symbols	XT1; XTI; XT-I; DBQD2; XYLTI; PXYLT1
UniProt Protein Name	Xylosyltransferase 1
UniProt Synonym Protein Names	Peptide O-xylosyltransferase 1; Xylosyltransferase I; XT-I; XylT-I
Protein Family	Xylosyltransferase
UniProt Gene Name	XYLT1
UniProt Synonym Gene Names	XT1; XT-I; XylT-I
UniProt Entry Name	XYLT1_HUMAN
NCBI Protein Information	xylosyltransferase 1; xylT-I; O-xylosyltransferase 1; xylosyltransferase iota; beta-D-xylosyltransferase 1; peptide O-xylosyltransferase 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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