B3GALT6 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	B3GALT6, Polyclonal Antibody
Full Product Name	B3GALT6, CT (B3GALT6, Beta-1,3-galactosyltransferase 6, GAG GalTII, Galactosyltransferase II, Galactosylxylosylprotein 3-beta-galactosyltransferase, UDP-Gal:betaGal beta 1,3-galactosyltransferase polypeptide 6) (MaxLight 490)
Product Gene Name	anti-B3GALT6 antibody
Product Synonym Names	B3GALT6; Beta-1,3-galactosyltransferase 6; GAG GalTII; Galactosyltransferase II; Galactosylxylosylprotein 3-beta-galactosyltransferase; UDP-Gal:betaGal beta 1,3-galactosyltransferase polypeptide 6
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 MaxLight490.
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: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	37,138 Da
OMIM	gene 615349
3D Structure	ModBase 3D Structure for Q96L58
Immunogen	B3GALT6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 250-280 amino acids from the C-terminal region of human B3GALT6.
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-B3GALT6 antibody	Antibodies; Enzymes; Glycosyltransferase
Applications Tested/Suitable for anti-B3GALT6 antibody	Flow Cytometry (FC/FACS), FLISA, Immunohistochemistry (IHC), Western Blot (WB)
Application Notes for anti-B3GALT6 antibody	FC/FACS: 1:10-50 FLISA: 1:1,000 IHC: 1:50-100 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-B3GALT6 antibody	B3GALT6, Beta-1,3-galactosyltransferase that transfers galactose from UDP-galactose to substrates with a terminal beta-linked galactose residue. B3GALT6 has a preference for galactose-beta-1,4-xylose that is found in the linker region of glycosaminoglycans, such as heparan sulfate and chondroitin sulfate. B3GALT6 has no activity towards substrates with terminal glucosamine or galactosamine residues.
Product References and Citations for anti-B3GALT6 antibody	Bai, X., et al. J. Biol. Chem. 276(51):48189-48195(2001). Zhou, D., et al. Proc. Natl. Acad. Sci. U.S.A. 96(2):406-411(1999).

Other Notes	Small volumes of anti-B3GALT6 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 B3GALT6 purchase	MBS6277091 is an antibody targeting B3GALT6. Also known as B3GALT6, CT (B3GALT6, Beta-1,3-galactosyltransferase 6, GAG GalTII, Galactosyltransferase II, Galactosylxylosylprotein 3-beta-galactosyltransferase, UDP-Gal:betaGal beta 1,3-galactosyltransferase polypeptide 6) (MaxLight 490). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for B3GALT6. It may not necessarily be applicable to this product.

NCBI GI #	116268097
NCBI GeneID	126792
NCBI Accession #	NP_542172.2
UniProt Primary Accession #	Q96L58
UniProt Secondary Accession #	Q5T7M5
UniProt Related Accession #	Q96L58
GenBank Nucleotide #	NM_080605.3
NCBI Official Full Name	beta-1,3-galactosyltransferase 6
NCBI Official Synonym Full Names	beta-1,3-galactosyltransferase 6
NCBI Official Symbol	B3GALT6
NCBI Official Synonym Symbols	EDSP2; SEMDJL1; beta3GalT6
UniProt Protein Name	Beta-1,3-galactosyltransferase 6
UniProt Synonym Protein Names	GAG GalTII; Galactosyltransferase II; Galactosylxylosylprotein 3-beta-galactosyltransferase; UDP-Gal:betaGal beta 1,3-galactosyltransferase polypeptide 6
Protein Family	Beta-1,3-galactosyltransferase
UniProt Gene Name	B3GALT6
UniProt Synonym Gene Names	Beta-1,3-GalTase 6; Beta3Gal-T6; Beta3GalT6
UniProt Entry Name	B3GT6_HUMAN
NCBI Protein Information	beta-1,3-galactosyltransferase 6
NCBI Summary for B3GALT6	The enzyme encoded by this intronless gene is a beta-1,3-galactosyltransferase found in the medial Golgi apparatus, where it catalyzes the transfer of galactose from UDP-galactose to substrates containing a terminal beta-linked galactose moiety. The encoded enzyme has a particular affinity for galactose-beta-1,4-xylose found in the linker region of glycosamines. This enzyme is required for glycosaminoglycan synthesis. [provided by RefSeq, Jun 2013]
Research Articles on B3GALT6	**1.** Genetic association between B3GALT6 and Ehlers-Danlos-syndrome-like connective tissue disorder in 3 families.
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-antibody/b3galt6/6277091