B3GAT2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	B3GAT2, Polyclonal Antibody
Full Product Name	B3GAT2, ID (B3GAT2, GLCATS, KIAA1963, Galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 2, Beta-1,3-glucuronyltransferase 2, GlcAT-D, UDP-glucuronosyltransferase S) (MaxLight 405)
Product Gene Name	anti-B3GAT2 antibody
Product Synonym Names	B3GAT2; GLCATS; KIAA1963; Galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 2; Beta-1,3-glucuronyltransferase 2; GlcAT-D; UDP-glucuronosyltransferase S
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight405.
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: MaxLight405 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	36,919 Da
OMIM	607497
3D Structure	ModBase 3D Structure for Q9NPZ5
Immunogen	B3GAT2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 130-158 amino acids from the Central region of human B3GAT2.
Conjugate	MaxLight405
Note	Preservative Free
Product Categories/Family for anti-B3GAT2 antibody	Antibodies; Enzymes; Glucuronosyltransferase
Applications Tested/Suitable for anti-B3GAT2 antibody	Western Blot (WB), FLISA
Application Notes for anti-B3GAT2 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-B3GAT2 antibody	The product of this gene is a transmembrane protein belonging to the glucuronyltransferase family, and catalyzes the transfer of a beta-1,3 linked glucuronic acid to a terminal galactose in different glycoproteins or glycolipids containing a Gal-beta-1-4GlcNAc or Gal-beta-1-3GlcNAc residue. The encoded protein is involved in the synthesis of the human natural killer-1 (HNK-1) carbohydrate epitope, a sulfated trisaccharide implicated in cellular migration and adhesion in the nervous system. [provided by RefSeq].
Product References and Citations for anti-B3GAT2 antibody	Bailey, S.D., et al. Diabetes Care (2010). In press: Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009). Shiba, T., et al. Proteins 65(2):499-508(2006). Kakuda, S., et al. Glycobiology 15(2):203-210(2005). Kakuda, S., et al. Protein Expr. Purif. 35(1):111-119(2004).

Other Notes	Small volumes of anti-B3GAT2 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 B3GAT2 purchase	MBS6277112 is an antibody targeting B3GAT2. Also known as B3GAT2, ID (B3GAT2, GLCATS, KIAA1963, Galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 2, Beta-1,3-glucuronyltransferase 2, GlcAT-D, UDP-glucuronosyltransferase S) (MaxLight 405). Reactive in Human, Mouse. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for B3GAT2. It may not necessarily be applicable to this product.

NCBI GI #	18152775
NCBI GeneID	135152
NCBI Accession #	NP_542780.1
UniProt Primary Accession #	Q9NPZ5
UniProt Secondary Accession #	Q5JS09; Q8TF38; Q96NK4
UniProt Related Accession #	Q9NPZ5
GenBank Nucleotide #	NM_080742.2
NCBI Official Full Name	galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 2
NCBI Official Synonym Full Names	beta-1,3-glucuronyltransferase 2
NCBI Official Symbol	B3GAT2
NCBI Official Synonym Symbols	GLCATS
UniProt Protein Name	Galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 2
UniProt Synonym Protein Names	Beta-1,3-glucuronyltransferase 2; GlcAT-D; UDP-glucuronosyltransferase S; GlcAT-S; Glucuronosyltransferase S
Protein Family	Galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase
UniProt Gene Name	B3GAT2
UniProt Synonym Gene Names	GLCATS; KIAA1963; GlcAT-S; Glucuronosyltransferase S
UniProt Entry Name	B3GA2_HUMAN
NCBI Protein Information	galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 2; glcAT-D; glucuronosyltransferase S; UDP-glucuronyltransferase S; UDP-glucuronosyltransferase S; uridine diphosphate glucuronic acid:acceptor glucuronosyltransferase
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