# B3GNT4 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

| | |
|---|---|
| **Product Name** | B3GNT4, Polyclonal Antibody |
| **Full Product Name** | B3GNT4, ID (B3GNT4, UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 4) (MaxLight 550) |
| **Product Gene Name** | anti-B3GNT4 antibody |
| **Product Synonym Names** | B3GNT4; UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 4 |
| **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 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** | 42,310 Da |
| **OMIM** | AB049586 mRNA |
| **3D Structure** | ModBase 3D Structure for Q9C0J1 |
| **Immunogen** | B3GNT4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 236-264 amino acids from the Central region of human B3GNT4. |
| **Conjugate** | MaxLight550 |
| **Note** | Preservative Free |
| **Product Categories/Family for anti-B3GNT4 antibody** | Antibodies; Enzymes; Glycosyltransferase |
| **Applications Tested/Suitable for anti-B3GNT4 antibody** | Flow Cytometry (FC/FACS), FLISA, Western Blot (WB) |
| **Application Notes for anti-B3GNT4 antibody** | FC/FACS: 1:10-50<br>FLISA: 1:1,000<br>WB: 1:100-500<br>Applications are based on unconjugated antibody. |
| **Related Product Information for anti-B3GNT4 antibody** | This gene encodes a member of the beta-1,3-N-acetylglucosaminyltransferase protein family. The encoded enzyme is involved in the biosynthesis of poly-N-acetyllactosamine chains and prefers lacto-N-neotetraose as a substrate. It is a type II transmembrane protein. [provided by RefSeq]. |
| **Product References and Citations for anti-B3GNT4 antibody** | Shiraishi, N., et al. J. Biol. Chem. 276(5):3498-3507(2001). Amado, M., et al. Biochim. Biophys. Acta 1473(1):35-53(1999). |
| **Other Notes** | Small volumes of anti-B3GNT4 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 B3GNT4 purchase** | MBS6277147 is an antibody targeting B3GNT4. Also known as B3GNT4, ID (B3GNT4, UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 4) (MaxLight 550). Reactive in Human, Mouse. Host: Rabbit. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for B3GNT4. It may not necessarily be applicable to this product.

| | |
|---|---|
| **NCBI GI #** | 13540527 |
| **NCBI GeneID** | 79369 |
| **NCBI Accession #** | NP_110392.1 |
| **UniProt Primary Accession #** | Q9C0J1 |
| **UniProt Secondary Accession #** | Q8N5W4; Q8N934; Q8ND21; Q8WWR5; Q8WY02; Q96QH5 |
| **UniProt Related Accession #** | Q9C0J1 |
| **GenBank Nucleotide #** | NM_030765.2 |
| **NCBI Official Full Name** | UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 4 |
| **NCBI Official Synonym Full Names** | UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 4 |
| **NCBI Official Symbol** | B3GNT4 |
| **NCBI Official Synonym Symbols** | B3GN-T4; beta3Gn-T4 |
| **UniProt Protein Name** | N-acetyllactosaminide beta-1,3-N-acetylglucosaminyltransferase 4 |
| **UniProt Synonym Protein Names** | UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 4; BGnT-4; Beta-1,3-Gn-T4; Beta-1,3-N-acetylglucosaminyltransferase 4; Beta3Gn-T4 |
| **Protein Family** | N-acetyllactosaminide beta-1,3-N-acetylglucosaminyltransferase |
| **UniProt Gene Name** | B3GNT4 |
| **UniProt Synonym Gene Names** | BGnT-4; Beta-1,3-Gn-T4; Beta-1,3-N-acetylglucosaminyltransferase 4; Beta3Gn-T4 |
| **NCBI Protein Information** | UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 4; BGnT-4; beta-1,3-Gn-T4; beta-1,3-N-acetylglucosaminyltransferase bGn-T4 |
| **UniProt Comments for B3GNT4** | Beta-1,3-N-acetylglucosaminyltransferase involved in the synthesis of poly-N-acetyllactosamine. Has activity for type 2 oligosaccharides. |
| **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.<br><br>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-mouse-antibody/b3gnt4/6277147