

Goat Anti-B3GNT2 Antibody
Peptide-affinity purified goat antibody
Catalog # AF1131a**Specification**

Goat Anti-B3GNT2 Antibody - Product Information

Application	WB
Primary Accession	Q9NY97
Other Accession	NP_006568 , 10678 , 53625 (mouse)
Reactivity	Human
Predicted	Mouse, Rat
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	46022

Goat Anti-B3GNT2 Antibody - Additional Information**Gene ID** 10678**Other Names**

N-acetyllactosaminide beta-1, 3-N-acetylglucosaminyltransferase 2, 2.4.1.149, Beta-1, 3-N-acetylglucosaminyltransferase 1, BGnT-1, Beta-1, 3-Gn-T1, Beta3Gn-T1, Beta-1, 3-galactosyltransferase 7, Beta-1, 3-GalTase 7, Beta3Gal-T7, Beta3GalT7, b3Gal-T7, Beta-3-Gx-T7, UDP-Gal:beta-GlcNAc beta-1, 3-galactosyltransferase 7, UDP-GlcNAc:betaGal beta-1, 3-N-acetylglucosaminyltransferase 2, BGnT-2, Beta-1, 3-Gn-T2, Beta-1, 3-N-acetylglucosaminyltransferase 2, Beta3Gn-T2, UDP-galactose:beta-N-acetylglucosamine beta-1, 3-galactosyltransferase 7, B3GNT2, B3GALT7, B3GNT1

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-B3GNT2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-B3GNT2 Antibody - Protein Information**Name** B3GNT2**Synonyms** B3GALT7, B3GNT1

Function

Beta-1,3-N-acetylglucosaminyltransferase involved in the synthesis of poly-N-acetyllactosamine. Catalyzes the initiation and elongation of poly-N-acetyllactosamine chains. Shows a marked preference for Gal(beta1-4)Glc(NAc)-based acceptors (PubMed:9892646). Probably constitutes the main polylactosamine synthase.

Cellular Location

Golgi apparatus membrane; Single- pass type II membrane protein

Tissue Location

Ubiquitous..

Goat Anti-B3GNT2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat Anti-B3GNT2 Antibody - Images

AF1131a (0.1 µg/ml) staining of Human Pancreas lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-B3GNT2 Antibody - Background

This gene encodes a member of the beta-1,3-N-acetylglucosaminyltransferase family. This enzyme is a type II transmembrane protein. It prefers the substrate of lacto-N-neotetraose, and is involved in the biosynthesis of poly-N-acetyllactosamine chains.

Goat Anti-B3GNT2 Antibody - References

Genome-wide association study of ankylosing spondylitis identifies non-MHC susceptibility loci. Australo-Anglo-American Spondyloarthritis Consortium (TASC), et al. Nat Genet, 2010 Feb. PMID

20062062.

Activation of beta1,3-N-acetylglucosaminyltransferase-2 (beta3Gn-T2) by beta3Gn-T8. Possible involvement of beta3Gn-T8 in increasing poly-N-acetyllactosamine chains in differentiated HL-60 cells. Seko A, et al. J Biol Chem, 2008 Nov 28. PMID 18826941.

Human plasma N-glycoproteome analysis by immunoaffinity subtraction, hydrazide chemistry, and mass spectrometry. Liu T, et al. J Proteome Res, 2005 Nov-Dec. PMID 16335952.

Characterization of a cDNA encoding a protein with limited similarity to beta1, 3-N-acetylglucosaminyltransferase. Zheng H, et al. Mol Biol Rep, 2004 Sep. PMID 15560372.

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