

B3GNT4 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP10696c

Specification

B3GNT4 Antibody (Center) - Product Information

Application FC, WB, E **Primary Accession** 09C0I1 Other Accession NP 110392.1 Human, Mouse Reactivity Host **Rabbit** Clonality **Polyclonal** Rabbit IgG Isotype Calculated MW 42310 Antigen Region 233-260

B3GNT4 Antibody (Center) - Additional Information

Gene ID 79369

Other Names

N-acetyllactosaminide beta-1, 3-N-acetylglucosaminyltransferase 4, UDP-GlcNAc:betaGal beta-1, 3-N-acetylglucosaminyltransferase 4, BGnT-4, Beta-1, 3-Gn-T4, Beta-1, 3-N-acetylglucosaminyltransferase 4, Beta3Gn-T4, B3GNT4

Target/Specificity

This B3GNT4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 233-260 amino acids from the Central region of human B3GNT4.

Dilution

FC~~1:10~50 WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

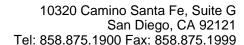
Storage

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

Precautions

B3GNT4 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

B3GNT4 Antibody (Center) - Protein Information





Name B3GNT4

Function Beta-1,3-N-acetylglucosaminyltransferase involved in the synthesis of poly-N-acetyllactosamine. Has activity for type 2 oligosaccharides.

Cellular Location

Golgi apparatus membrane; Single- pass type II membrane protein

Tissue Location

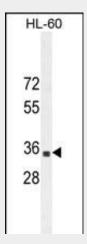
Mainly expressed in brain tissues such as whole brain, hippocampus, amygdala, cerebellum and caudate nucleus. Also expressed in colon, esophagus and kidney

B3GNT4 Antibody (Center) - Protocols

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

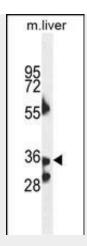
- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

B3GNT4 Antibody (Center) - Images

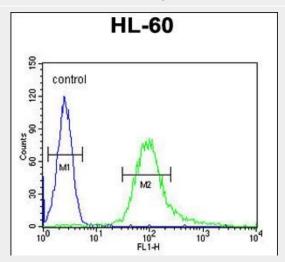


B3GNT4 Antaibody (Center) (Cat. #AP10696c) western blot analysis in HL-60 cell line lysates (35ug/lane). This demonstrates the B3GNT4 antibody detected the B3GNT4 protein (arrow).





B3GNT4 Antaibody (Center) (Cat. #AP10696c) western blot analysis in mouse liver tissue lysates (35ug/lane). This demonstrates the B3GNT4 antibody detected the B3GNT4 protein (arrow).



B3GNT4 Antibody (Center) (Cat. #AP10696c) flow cytometric analysis of HL-60 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

B3GNT4 Antibody (Center) - Background

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].

B3GNT4 Antibody (Center) - References

Shiraishi, N., et al. J. Biol. Chem. 276(5):3498-3507(2001) Amado, M., et al. Biochim. Biophys. Acta 1473(1):35-53(1999)