

B3GNT4 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10696c**Specification**

B3GNT4 Antibody (Center) - Product Information

Application	WB, FC,E
Primary Accession	O9C0J1
Other Accession	NP_110392.1
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
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

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

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

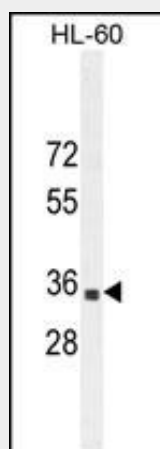
Mainly expressed in brain tissues such as whole brain, hippocampus, amygdala, cerebellum and caudate nucleus. Also expressed in colon, esophagus and kidney

B3GNT4 Antibody (Center) - Protocols

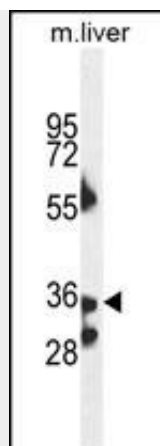
Provided below are standard protocols that you may find useful for product applications.

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

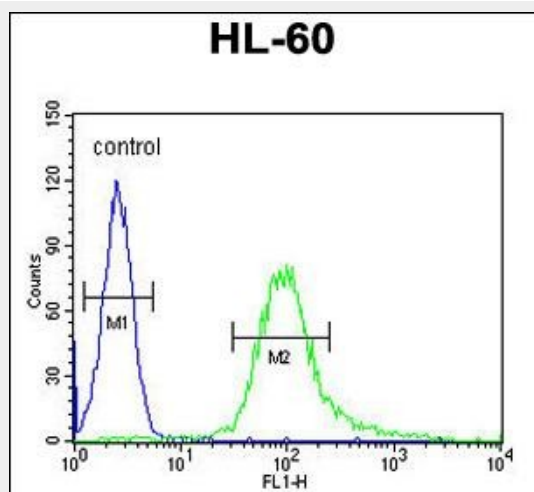
B3GNT4 Antibody (Center) - Images



B3GNT4 Antibody (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 Antibody (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)