

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

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**B3GNT4 Antibody (Center) - Product Information**

Application	WB, FC,E
Primary Accession	<a href="#">O9C0J1</a>
Other Accession	<a href="#">NP_110392.1</a>
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**

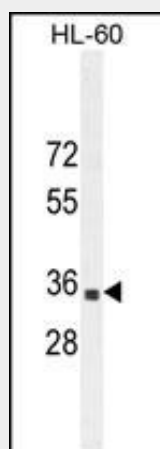
Mainly expressed in brain tissues such as whole brain, hippocampus, amygdala, cerebellum and caudate nucleus. Also expressed in colon, esophagus and kidney

**B3GNT4 Antibody (Center) - Protocols**

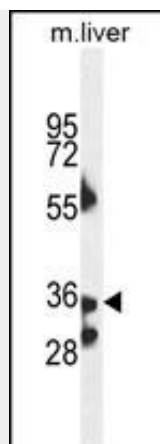
Provided below are standard protocols that you may find useful for product applications.

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

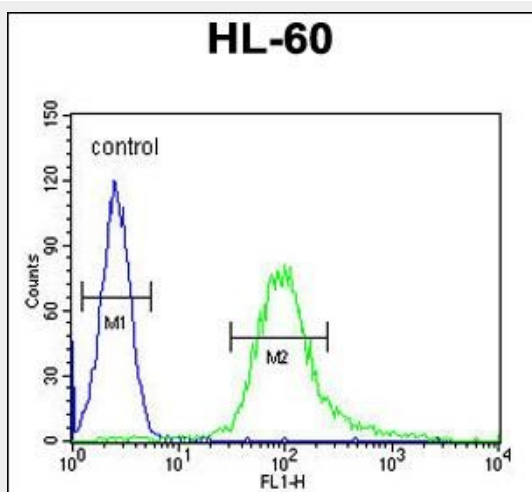
**B3GNT4 Antibody (Center) - Images**



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)