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B3GNT4 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10696c

Product Information

Application	WB, FC, E
Primary Accession	Q9C0J1
Other Accession	NP_110392.1
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB24581
Calculated MW	42310
Antigen Region	233-260

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 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.

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

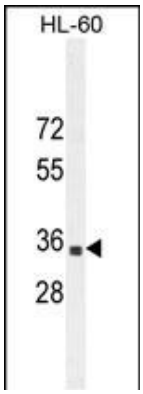
Background

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].

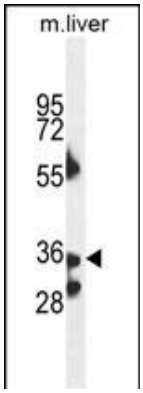
References

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

Images

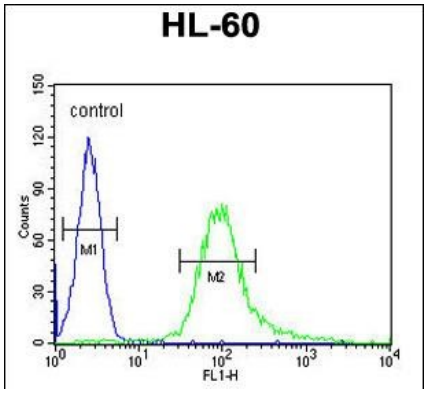


B3GNT4 Antaibody (Center) (Cat. #AP10696c) western blot analysis in HL-60 cell line lysates (35ug/lane).This demonstrates the B3GNT4 antibody detected the B3GNT4 protein (arrow).



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.



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