

Product datasheet for **AP50329PU-N**

B3GNT5 (Center) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1/1000. Western blotting: 1/100 - 1/500.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 124~154 amino acids from the Central region of human B3GNT5
Specificity:	This antibody reacts to B3GNT5.
Formulation:	PBS containing 0.09% (W/V) sodium azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 5
Database Link:	Entrez Gene 84002 Human Q9BYG0
Background:	B3GNT5 is a member of the beta-1,3-N-acetylglucosaminyltransferase family. This enzyme is a type II membrane protein. It exhibits strong activity to transfer GlcNAc to glycolipid substrates and is identified as the most likely candidate for lactotriaosylceramide synthase. This enzyme is essential for the expression of Lewis X epitopes on glycolipids.
Synonyms:	Beta3Gn-T5, BGnT-5, Lactotriaosylceramide synthase



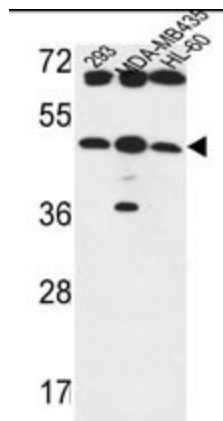
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Note: **Molecular Weight:** 44053 Da

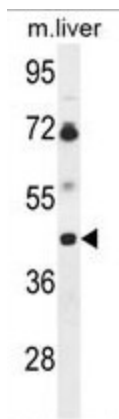
Protein Families: Transmembrane

Protein Pathways: Glycosphingolipid biosynthesis - lacto and neolacto series, Metabolic pathways

Product images:



B3GNT5 Antibody (Center) western blot analysis in 293, MDA-MB435, HL-60 cell line lysates (35ug/lane). This demonstrates the B3GNT5 antibody detected the B3GNT5 protein (arrow).



Western blot analysis of B3GNT5 Antibody (Center) in mouse liver tissue lysates (35ug/lane). B3GNT5 (arrow) was detected using the purified Pab.