

Rabbit anti-Human, mouse B3GNT5 Polyclonal Antibody | anti-B3GNT5 antibody

B3GNT5 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289151	Rabbit	Human, mouse	ELISA, Western Blot

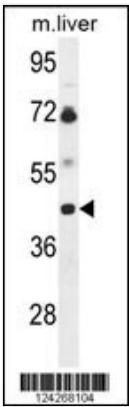
PRODUCT SYNONYMS

B3GNT5; Polyclonal Antibody; B3GNT5 Antibody (Center); Lactosylceramide 1; 3-N-acetyl-beta-D-glucosaminyltransferase; Lactotriaosylceramide synthase; Lc(3)Cer synthase; Lc3 synthase; UDP-GlcNAc:beta-Gal beta-1; 3-N-acetylglucosaminyltransferase 5; BGnT-5; Beta-1; 3-Gn-T5; Beta3Gn-T5; anti-B3GNT5 antibody

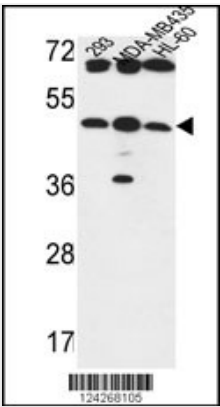
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This B3GNT5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 118-145 amino acids from the Central region of human B3GNT5.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	118-145
Sequence Length	378
Applicable Applications for anti-B3GNT5 antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



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



WB (Western Blot)
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).

ADDITIONAL INFORMATION

Related Product Information for anti-B3GNT5 antibody	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.
References	Marcos, N.T., et al. J. Clin. Invest. 118(6):2325-2336(2008) Togayachi, A., et al. J. Biol. Chem. 276(25):22032-22040(2001)

NCBI AND UNIPROT INFORMATION

NCBI GI #	14042986
NCBI GeneID	84002
NCBI Accession #	NP_114436.1
NCBI GenBank Nucleotide #	NM_032047.4
UniProt Accession #	Q9BYG0; Q59FE3; Q7L9Z5; Q8WWP9; D3DNS5
Molecular Weight	44053
NCBI Official Full Name	lactosylceramide 1,3-N-acetyl-beta-D-glucosaminyltransferase
NCBI Official Synonym Full Names	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 5
NCBI Official Symbol	B3GNT5
NCBI Official Synonym Symbols	B3GN-T5; beta3Gn-T5
NCBI Protein Information	lactosylceramide 1,3-N-acetyl-beta-D-glucosaminyltransferase
UniProt Protein Name	Lactosylceramide 1,3-N-acetyl-beta-D-glucosaminyltransferase
UniProt Gene Name	B3GNT5
UniProt Synonym Gene Names	Lc(3)Cer synthase; Lc3 synthase; BGnT-5; Beta-1,3-Gn-T5; Beta-1,3-N-acetylglucosaminyltransferase 5; Beta3Gn-T5
UniProt Entry Name	B3GN5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

