

Rabbit anti-Human B3GALT5 Polyclonal Antibody | anti-B3GALT5 antibody

B3GALT5 Antibody (N-term)

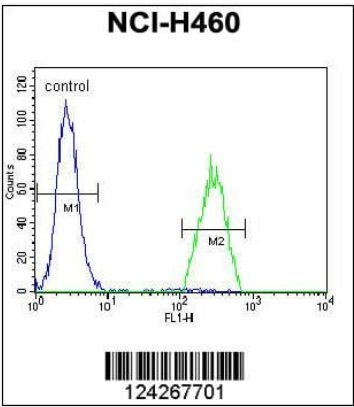
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288662	Rabbit	Human	Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

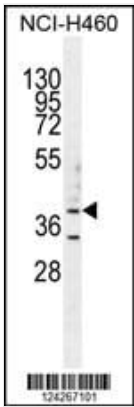
B3GALT5; Polyclonal Antibody; B3GALT5 Antibody (N-term); Beta-1; 3-galactosyltransferase 5; 3-GalTase 5; Beta3Gal-T5; Beta3GalT5; b3Gal-T5; 241-; Beta-3-Gx-T5; UDP-Gal:beta-GlcNAc beta-1; UDP-galactose:beta-N-acetylglucosamine beta-1; anti-B3GALT5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This B3GALT5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 57-84 amino acids from the N-terminal region of human B3GALT5.
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	57-84
Sequence Length	310
Applicable Applications for anti-B3GALT5 antibody	FCM/FACS (Flow Cytometry), 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.



FCM/FACS (Flow Cytometry)
B3GALT5 Antibody (N-term) flow cytometric analysis of NCI-H460 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
B3GALT5 Antibody (N-term) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the B3GALT5 antibody detected the B3GALT5 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-B3GALT5 antibody	This gene is a member of the beta-1,3-galactosyltransferase (beta3GalT) gene family. This family encodes type II membrane-bound glycoproteins with diverse enzymatic functions using different donor substrates (UDP-galactose and UDP-N-acetylglucosamine) and different acceptor sugars (N-acetylglucosamine, galactose, N-acetylgalactosamine). The beta3GalT genes are distantly related to the Drosophila Brainiac gene and have the protein coding sequence contained in a single exon. The beta3GalT proteins also contain conserved sequences not found in the beta4GalT or alpha3GalT proteins. The carbohydrate chains synthesized by these enzymes are designated as type 1, whereas beta4GalT enzymes synthesize type 2 carbohydrate chains. The ratio of type 1:type 2 chains changes during embryogenesis. By sequence similarity, the beta3GalT genes fall into at least two groups: beta3GalT4 and 4 other beta3GalT genes (beta3GalT1-3, beta3GalT5). This gene encodes the most probable candidate for synthesis of the type 1 Lewis antigens which are frequently found to be elevated in gastrointestinal and pancreatic cancers. The encoded protein is inactive with N-linked glycoproteins and functions in mucin glycosylation. Five transcript variants have been described which differ in the 5' UTR. All transcript variants encode an identical protein.
References	Hamshere, M.L., et al. Br J Psychiatry 195(1):23-29(2009) Lin, C.H., et al. Glycobiology 19(4):418-427(2009) Seko, A., et al. Tumour Biol. 30(1):43-50(2009) Mare, L., et al. J. Biol. Chem. 282(1):49-57(2007) Hu, Y.H., et al. BMC Genomics 7, 155 (2006) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	520975380
NCBI GeneID	10317
NCBI Accession #	NP_001265579.1; NP_006048.1; NP_149360.1; NP_149361.1; NP_149362.2
NCBI GenBank Nucleotide #	NM_001278650.1
UniProt Accession #	Q9Y2C3; Q2M3L5; Q53Z19; Q9NY96; Q9P1X6; Q9P1X7; A8KA86; D3DSI3

Molecular Weight	36189
NCBI Official Full Name	beta-1,3-galactosyltransferase 5 isoform a
NCBI Official Synonym Full Names	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 5
NCBI Official Symbol	B3GALT5
NCBI Official Synonym Symbols	B3T5; GLCT5; B3GalTx; B3GalT-V; beta3Gal-T5; beta-3-Gx-T5; beta-1,3-GalTase 5
NCBI Protein Information	beta-1,3-galactosyltransferase 5
UniProt Protein Name	Beta-1,3-galactosyltransferase 5
UniProt Gene Name	B3GALT5
UniProt Synonym Gene Names	Beta-1,3-GalTase 5; Beta3Gal-T5; Beta3GalT5; b3Gal-T5
UniProt Entry Name	B3GT5_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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/b3galt5-antibody-flow-cytometry-western-blot-elisa/288662>