

Rabbit anti-Human, mouse B4GALT5 Polyclonal Antibody | anti-B4GALT5 antibody

B4GALT5 Antibody (C-term)

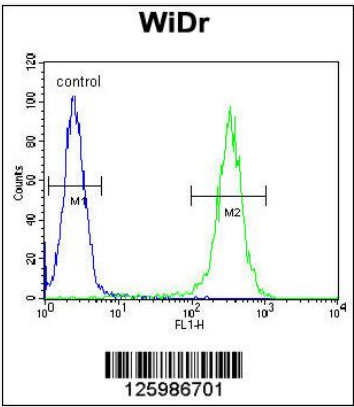
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286549	Rabbit	Human, mouse	Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

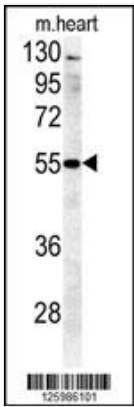
B4GALT5; Polyclonal Antibody; B4GALT5 Antibody (C-term); Beta-1; 4-galactosyltransferase 5; 4-GalTase 5; Beta4Gal-T5; b4Gal-T5; 241-; 4-GalT II; UDP-Gal:beta-GlcNAc beta-1; UDP-galactose:beta-N-acetylglucosamine beta-1; anti-B4GALT5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This B4GALT5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 324-350 amino acids from the C-terminal region of human B4GALT5.
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	324-350
Sequence Length	388
Applicable Applications for anti-B4GALT5 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)
B4GALT5 Antibody (C-term) flow cytometric analysis of WiDr 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)
B4GALT5 Antibody (C-term) western blot analysis in mouse heart tissue lysates (35ug/lane). This demonstrates the B4GALT5 antibody detected B4GALT5 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-B4GALT5 antibody	This gene is one of seven beta-1,4-galactosyltransferase (beta4GalT) genes. They encode type II membrane-bound glycoproteins that appear to have exclusive specificity for the donor substrate UDP-galactose; all transfer galactose in a beta1,4 linkage to similar acceptor sugars: GlcNAc, Glc, and Xyl. Each beta4GalT has a distinct function in the biosynthesis of different glycoconjugates and saccharide structures. As type II membrane proteins, they have an N-terminal hydrophobic signal sequence that directs the protein to the Golgi apparatus and which then remains uncleaved to function as a transmembrane anchor. By sequence similarity, the beta4GalTs form four groups: beta4GalT1 and beta4GalT2, beta4GalT3 and beta4GalT4, beta4GalT5 and beta4GalT6, and beta4GalT7. The function of the enzyme encoded by this gene is not clear. This gene was previously designated as B4GALT4 but was renamed to B4GALT5. In the literature it is also referred to as beta4GalT2. [provided by RefSeq].
Product Categories/Family for anti-B4GALT5 antibody	Metabolism; Signal Transduction
References	Kitayama, K., et al. J. Biol. Chem. 282(41):30085-30096(2007) Sato, T., et al. J. Biol. Chem. 282(38):27702-27712(2007) Jiang, J., et al. J. Biol. Chem. 281(14):9482-9489(2006) Sato, T., et al. J. Biol. Chem. 279(38):39574-39583(2004) Xu, S., et al. J. Exp. Clin. Cancer Res. 21(3):409-414(2002) Deloukas, P., et al. Nature 414(6866):865-871(2001) Amado, M., et al. Biochim. Biophys. Acta 1473(1):35-53(1999) Lo, N.W., et al. Glycobiology 8(5):517-526(1998) Sato, T., et al. Biochem. Biophys. Res. Commun. 244(3):637-641(1998) Sato, T., et al. Proc. Natl. Acad. Sci. U.S.A. 95(2):472-477(1998)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4757828
NCBI GeneID	9334
NCBI Accession #	NP_004767.1
NCBI GenBank Nucleotide #	NM_004776.3

UniProt Accession #	O43286 ; Q2M394 ; Q9UJQ8 ; E1P625
Molecular Weight	45119
NCBI Official Full Name	beta-1,4-galactosyltransferase 5
NCBI Official Synonym Full Names	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 5
NCBI Official Symbol	B4GALT5
NCBI Official Synonym Symbols	gt-V; B4Gal-T5; beta4Gal-T5; beta4GalT-V; BETA4-GALT-IV
NCBI Protein Information	beta-1,4-galactosyltransferase 5
UniProt Protein Name	Beta-1,4-galactosyltransferase 5
UniProt Gene Name	B4GALT5
UniProt Synonym Gene Names	Beta-1,4-GalTase 5; Beta4Gal-T5; b4Gal-T5
UniProt Entry Name	B4GT5_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://stage.aaabiotech.com/polyclonal/b4galt5-antibody-flow-cytometry-western-blot-elisa/286549>