

Datasheet for ABIN7466875 **anti-B4GALT5 antibody**



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Overview

Quantity:	100 µL
Target:	B4GALT5
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This B4GALT5 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human B4GALT5. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Mouse
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	B4GALT5
Alternative Name:	beta-1,4-galactosyltransferase 5 (B4GALT5 Products)
Background:	Beta-1,4-galactosyltransferase 5 , B4Gal-T5 , BETA4-GALT-IV , beta4Gal-T5 , beta4GalT-V , gt-V, 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

Target Details

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]

Molecular Weight: 45 kDa

Gene ID: 9334

UniProt: [O43286](#)

Pathways: [Glycosaminoglycan Metabolic Process](#)

Application Details

Application Notes: WB: 1:500-1:3000. Optimal dilutions/concentrations should be determined by the researcher.
Not tested in other applications.

Comment: Positive Control: Mouse kidney

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: 1XPBS (pH 7), 1 % BSA, 20 % Glycerol, 0.01 % Thimerosal

Preservative: Thimerosal (Merthiolate)

Precaution of Use: This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.