

**B4GALT5 polyclonal antibody**

Catalog: BZ16123

Host: Rabbit

Reactivity: Human, Mouse

**BackGround:**

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.

**Product:**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.

**Molecular Weight:**

Calculated MW: 45 kDa; Observed MW: 40 kDa

**Swiss-Prot:**

O43286

**Purification&Purity:**

Affinity Purified

**Applications:**

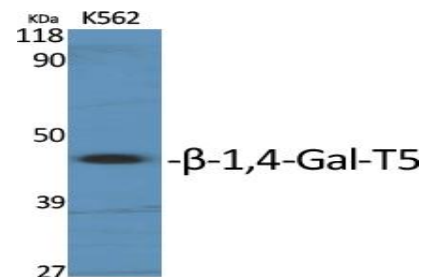
WB: 1/500-1/1000 ELISA: 1/10000

**Storage&Stability:**

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

**Isotype:**

IgG

**DATA:**

Western blot analysis of B4GALT5 in various lysates using B4GALT5 antibody.

Western blot analysis of B4GALT5 in 293 lysates using β1, 4GalT5 antibody.

**Note:**

For research use only, not for use in diagnostic procedure.

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