

## B4GALT5 RABBIT PAB

**Cat.#:** N225101

**Product Name:** Anti-B4GALT5 Rabbit pAb

**Synonyms:** B4GALT5; Beta-1; 4-galactosyltransferase 5; Beta-1; 4-GalTase 5; Beta4Gal-T5; b4Gal-T5; Beta-1; 4-GalT II; UDP-Gal:beta-GlcNAc beta-1; 4-galactosyltransferase 5; UDP-galactose:beta-N-acetylglucosamine beta-1; 4-galactosyltransferase 5

**UNIPROT ID:** O43286

**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.

**Immunogen:** The antiserum was produced against synthesized peptide derived from human B4GALT5. AA range:321-370

**Applications:** WB,ELISA

**Recommended Dilutions:** WB: 1/500-1/1000 ELISA: 1/10000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Clone ID:** -

**MW:** Calculated MW: 45 kDa; Observed MW: 40 kDa

**Isotype:** IgG

**Purification:** Affinity Purified

**Species Reactivity:** Human,Mouse

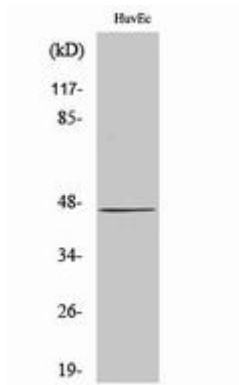
**Conjugation:** Unconjugated

**Modification:** Unmodified

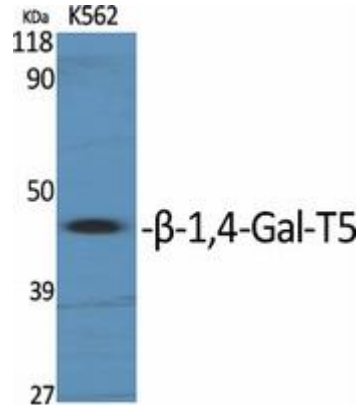
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

**Research Areas:** Tags & Cell Markers

**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



Western blot analysis of B4GALT5 in 293 lysates using anti-B4GALT5 antibody.



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