



β -1,4-Gal-T5 rabbit pAb

Cat No.:ES3750

For research use only

Overview

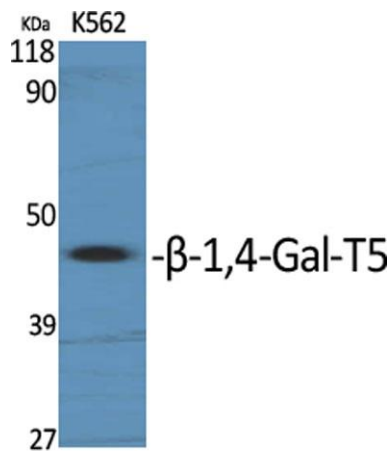
| | |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name | β -1,4-Gal-T5 rabbit pAb |
| Host species | Rabbit |
| Applications | WB;ELISA |
| Species Cross-Reactivity | Human;Mouse |
| Recommended dilutions | Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications. |
| Immunogen | The antiserum was produced against synthesized peptide derived from human B4GALT5. AA range:321-370 |
| Specificity | β -1,4-Gal-T5 Polyclonal Antibody detects endogenous levels of β -1,4-Gal-T5 protein. |
| Formulation | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Storage | Store at -20°C. Avoid repeated freeze-thaw cycles. |
| Protein Name | Beta-1,4-galactosyltransferase 5 |
| Gene Name | B4GALT5 |
| Cellular localization | Golgi apparatus, Golgi stack membrane ; Single-pass type II membrane protein. Golgi apparatus . Trans cisternae of Golgi stack. . |
| Purification | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Clonality | Polyclonal |
| Concentration | 1 mg/ml |
| Observed band | 40kD |
| Human Gene ID | 9334 |
| Human Swiss-Prot Number | O43286 |
| Alternative Names | 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 |



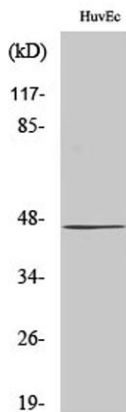


Background

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



Western Blot analysis of various cells using β -1,4-Gal-T5 Polyclonal Antibody diluted at 1:1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Western Blot analysis of 293 cells using β -1,4-Gal-T5 Polyclonal Antibody diluted at 1:1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000





ELK Biotechnology



+86-27-59760950

ELKbio@ELKbiotech.com

www.elkbiotech.com

23-2, No.388 Gaoxin 2nd Road,Wuhan East Lake Hi-tech Development Zone, Hubei , P.R.C