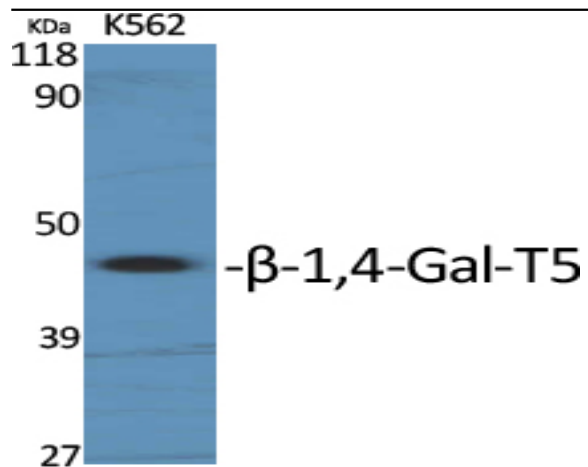


β-1,4-Gal-T5 Polyclonal Antibody

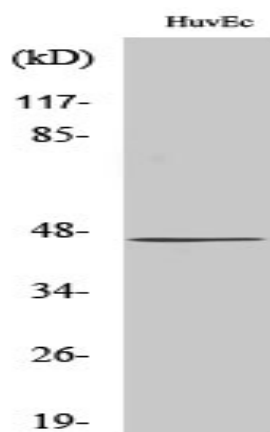
Catalog No :	YT5010
Reactivity :	Human;Mouse
Applications :	WB;ELISA
Target :	B4GALT5
Fields :	>>Mucin type O-glycan biosynthesis;>>Sphingolipid metabolism;>>Metabolic pathways
Gene Name :	B4GALT5
Protein Name :	Beta-1,4-galactosyltransferase 5
Human Gene Id :	9334
Human Swiss Prot No :	O43286
Mouse Gene Id :	56336
Mouse Swiss Prot No :	Q9JMK0
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.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	40kD
Cell Pathway :	O-Glycan biosynthesis;
Background :	<p>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</p>
Function :	<p>cofactor:Manganese.,function:Responsible for the synthesis of complex-type N-linked oligosaccharides in many glycoproteins as well as the carbohydrate moieties of glycolipids.,online information:Beta-1,4-galactosyltransferase 5,online information:GlycoGene database,pathway:Protein modification; protein glycosylation.,similarity:Belongs to the glycosyltransferase 7 family.,subcellular location:Trans cisternae of Golgi stack.,tissue specificity:Ubiquitously expressed.,</p>
Subcellular Location :	<p>Golgi apparatus, Golgi stack membrane ; Single-pass type II membrane protein. Golgi apparatus . Trans cisternae of Golgi stack. .</p>
Expression :	Ubiquitously expressed.

Products Images



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