

兔抗 B4GALT1 多克隆抗体

中文名称：兔抗 B4GALT1 多克隆抗体

英文名称： Anti-B4GALT1 rabbit polyclonal antibody

别名： GT1; GTB; CDG2D; GGTB2; B4GAL-T1; beta4Gal-T1

抗原： B4GALT1

储存： 冷冻（-20℃） 避光

宿主： Rabbit

反应种属： Human Mouse

相关类别： 一抗

标记物： Unconjugate

克隆类型： Unconjugate

技术规格

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 se

	<p>quence similarity, the beta4GalTs form four groups: beta 4GalT1 and beta4GalT2, beta4GalT3 and beta4GalT4, beta 4GalT5 and beta4GalT6, and beta4GalT7. This gene is unique among the beta4GalT genes because it encodes an enzyme that participates both in glycoconjugate and lactose biosynthesis. For the first activity, the enzyme adds galactose to N-acetylglucosamine residues that are either monosaccharides or the nonreducing ends of glycoprotein carbohydrate chains. The second activity is restricted to lactating mammary tissues where the enzyme forms a heterodimer with alpha-lactalbumin to catalyze UDP-galactose + D-glucose UDP + lactose. The two enzymatic forms result from alternate transcription initiation sites and post-translational processing. Two transcripts, which differ only at the 5' end, with approximate lengths of 4.1 kb and 3.9 kb encode the same protein. The longer transcript encodes the type II membrane-bound, trans-Golgi resident protein involved in glycoconjugate biosynthesis. The shorter transcript encodes a protein which is cleaved to form the soluble lactose synthase.</p>
Applications:	WB
Name of antibody:	B4GALT1
Immunogen:	Synthesized peptide derived from C-terminal of human B4GALT1.
Full name:	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1
Synonyms :	GT1; GTB; CDG2D; GGTB2; B4GAL-T1; beta4Gal-T1
SwissProt:	P15291
WB Predicted band size:	44 kDa
WB Positive control:	Jurkat and 293 cells lysates
WB Recommended dilution:	500-3000

