



B4GN2 Polyclonal Antibody

Catalog No	YP-Ab-05375
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	B4GALNT2 GALGT2
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	B4GN2 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	UDP-GalNAc:Neu5Aca2-3Galb-R b1;4-N-acetylgalactosaminyltransferase;Sd(a) beta-1;4-GalNAc transferase;GALGT2;EC:2.4.1.-;Beta-1;4 N-acetylgalactosaminyltransferase 2;B4GN2;B4GALNT2 GALGT2;4 N-acetylgalactosaminyltransferase 2 (EC 2.4.1.-) (Sd(a) beta-1;4-GalNAc transferase) (UDP-GalNAc:Neu5Aca2-3Galb-R b1;4-N-acetylgalactosaminyltransferase)
Observed Band	65 kDa
Calculated Molecular Weight	566 aa, 63 kDa
Cell Pathway	Golgi apparatus membrane ; Single-pass type II membrane protein .
Tissue Specificity	Widely expressed. Highly expressed in colon and to a lesser extent in kidney, stomach, ileum and rectum.
Function	function:Involved in the synthesis of the Sd(a) antigen (Sia-alpha2,3-[GalNAc-beta1,4]Gal-beta1,4-GlcNAc), a carbohydrate determinant expressed on erythrocytes, the colonic mucosa and other tissues. Transfers a beta-1,4-linked GalNAc to the galactose residue of an alpha-2,3-sialylated chain.,online information:Beta-1,4 N-acetylgalactosaminyltransferase 2,online information:GlycoGene database,pathway:Protein modification; protein glycosylation.,similarity:Belongs to the glycosyltransferase 2 family.,tissue



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Background

beta-1,4-N-acetyl-galactosaminyltransferase 2(B4GALNT2) Homo sapiens B4GALNT2 catalyzes the last step in the biosynthesis of the human Sd(a) antigen through the addition of an N-acetylgalactosamine residue via a beta-1,4 linkage to a subterminal galactose residue substituted with an alpha-2,3-linked sialic acid. B4GALNT2 also catalyzes the last step in the biosynthesis of the Cad antigen (Montiel et al., 2003 [PubMed 12678917]).[supplied by OMIM, Mar 2008],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images