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Product datasheet for TA356446

B4GALNT1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human B4GALNT1
Specificity:	**Expected reactivity**: Cow, Dog, Guinea Pig, Human, Mouse, Pig, Rabbit, Rat **Homology**: Cow: 100%; Dog: 100%; Guinea Pig: 93%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 100%; Rat: 100%
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	59kDa
Gene Name:	beta-1,4-N-acetyl-galactosaminyltransferase 1
Database Link:	NP_001469 Entrez Gene 2583 Human Q00973

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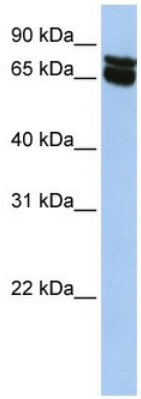
Background: GM2 and GD2 gangliosides are sialic acid-containing glycosphingolipids. GalNAc-T is the enzyme involved in the biosynthesis of G(M2) and G(D2) glycosphingolipids. B4GALNT1(GalNAc-T) catalyzes the transfer of GalNAc into G(M3) and G(D3) by a beta-1,4 linkage, resulting in the synthesis of G(M2) and G(D2), respectively.GM2 and GD2 gangliosides are sialic acid-containing glycosphingolipids. GalNAc-T is the enzyme involved in the biosynthesis of G(M2) and G(D2) glycosphingolipids. GalNAc-T catalyzes the transfer of GalNAc into G(M3) and G(D3) by a beta-1,4 linkage, resulting in the synthesis of G(M2) and G(D2), respectively.

Synonyms: (N-acetylneuraminyl)-galactosylglucosylceramide; beta1,4GalNAc-T; beta1-4GalNAc-T; GALGT; GalNAc-T; GALNACT; SIAT2; UDP-N-acetyl-alpha-D-galactosamine:(N-acetylneuram

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Glycosphingolipid biosynthesis - ganglio series, Metabolic pathways

Product images:



WB Suggested Anti-B4GALNT1 Antibody Titration: 0.2-1 ug/ml
Positive Control: HepG2 cell lysate