

B4GALNT2 Antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15420**Specification****B4GALNT2 Antibody - N-terminal region - Product Information**

Application	WB
Primary Accession	Q8NHY0
Other Accession	NM_153446 , NP_703147
Reactivity	Human
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	62kDa KDa

B4GALNT2 Antibody - N-terminal region - Additional Information**Gene ID** 124872**Alias Symbol** **B4GALT, GALGT2, MGC142235, MGC142237****Other Names**

Beta-1, 4 N-acetylgalactosaminyltransferase 2, 2.4.1.-, Sd(a) beta-1, 4-GalNAc transferase, UDP-GalNAc:Neu5Aca2-3Galb-R b1, 4-N-acetylgalactosaminyltransferase, B4GALNT2, GALGT2

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-B4GALNT2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

B4GALNT2 Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

B4GALNT2 Antibody - N-terminal region - Protein Information**Name** B4GALNT2 {ECO:0000303|PubMed:30067891, ECO:0000312|HGNC:HGNC:24136}**Function**

Beta-1,4 N-acetylgalactosaminyltransferase involved in the biosynthesis of Sd(a) histo-blood group antigen. Catalyzes the transfer of N-acetylgalactosamine (GalNAc) group in a beta-1,4-linkage from UDP-GalNAc to the galactose residue of NeuAcalpha2->3Gal-R to form Sd(a) glycan epitope GalNAcbeta1->4(NeuAcalpha2->3)Gal-R. The Sd(a) epitope is carried in O- and N-linked glycoproteins and glycolipids, including O-linked core 1 structures on GYPA/glycophorin, SLC4A1 and SLC29A1 in erythrocytes, N-linked glycans attached to the Tamm-Horsfall glycoprotein UMOD/uromodulin in renal fluids, O-linked core 3 glycans on mucins in colon and neolactosides in gastric mucosa (PubMed:<a href="http://www.uniprot.org/citations/12678917"

target="_blank">12678917, PubMed:14688233, PubMed:16024623, PubMed:35409292). Confers protection against influenza A virus strains that attach to NeuA α 2-3-carrying host receptors. Modifies N-glycan chains on host receptors and prevents virus entry into cells (PubMed:28813663).

Cellular Location

[Isoform 1]: Golgi apparatus, trans-Golgi network membrane; Single-pass type II membrane protein. Cytoplasmic vesicle membrane; Single-pass type II membrane protein. Note=Partially colocalizes with EEA1 and LAMP2 in early endosomes and lysosomes, respectively.

Tissue Location

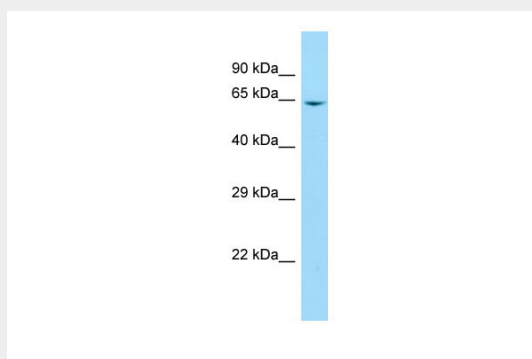
Widely expressed. Highly expressed in colon and to a lesser extent in kidney, stomach, ileum and rectum

B4GALNT2 Antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

B4GALNT2 Antibody - N-terminal region - Images



Host: Rabbit

Target Name: B4GALNT2

Sample Tissue: Jurkat Whole cell lysate

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Antibody Dilution: 1.0 μ g/ml

B4GALNT2 Antibody - N-terminal region - References

Montiel M.D.,et al.Biochem. J. 373:369-379(2003).

Lo Presti L.,et al.J. Biochem. 134:675-682(2003).

Ota T.,et al.Nat. Genet. 36:40-45(2004).

Zody M.C.,et al.Nature 440:1045-1049(2006).

Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.