

B3gnt1 Antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI12713**Specification**

B3gnt1 Antibody - middle region - Product Information

Application	WB
Primary Accession	Q8BWP8
Other Accession	NM_175383 , NP_780592
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	47kDa KDa

B3gnt1 Antibody - middle region - Additional Information**Gene ID** 108902**Alias Symbol** 1500032M01Rik, B3gnt6, BETA3GNT1, iGAT, iGNT**Other Names**

Beta-1, 4-glucuronyltransferase 1, I-beta-1, 3-N-acetylglucosaminyltransferase, iGnT, N-acetyllactosaminide beta-1, 3-N-acetylglucosaminyltransferase, Poly-N-acetyllactosamine extension enzyme, UDP-GlcNAc:betaGal beta-1, 3-N-acetylglucosaminyltransferase 1, B3gnt1, B3gnt6

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-B3gnt1 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

B3gnt1 Antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

B3gnt1 Antibody - middle region - Protein Information**Name** B4gat1 {ECO:0000250|UniProtKB:O43505}**Synonyms** B3gnt1, B3gnt6**Function**

Beta-1,4-glucuronyltransferase involved in O-mannosylation of alpha-dystroglycan (DAG1)

(PubMed:23217742, PubMed:25279699). Transfers a glucuronic acid (GlcA) residue onto a xylose (Xyl) acceptor to produce the glucuronyl-beta-1,4-xylose-beta disaccharide primer, which is further elongated by LARGE1, during synthesis of phosphorylated O- mannosyl glycan (PubMed:25279699). Phosphorylated O-mannosyl glycan is a carbohydrate structure present in alpha-dystroglycan (DAG1), which is required for binding laminin G-like domain-containing extracellular proteins with high affinity (PubMed:25279699). Required for axon guidance; via its function in O-mannosylation of alpha-dystroglycan (DAG1) (PubMed:23217742).

Cellular Location

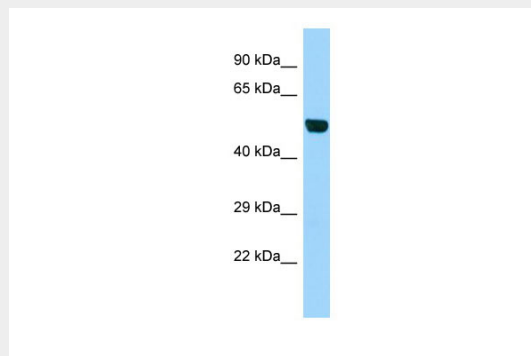
Golgi apparatus membrane; Single-pass type II membrane protein Note=Localizes near the trans-Golgi apparatus {ECO:0000250|UniProtKB:O43505}

B3gnt1 Antibody - middle 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](#)

B3gnt1 Antibody - middle region - Images



Host: Rabbit
Target Name: B3gnt1
Sample Tissue: Mouse Testis lysates
Antibody Dilution: 1.0µg/ml