

B3GALNT2 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI12980**Specification**

B3GALNT2 antibody - middle region - Product Information

Application	WB
Primary Accession	Q8NCR0
Other Accession	NM_152490 , NP_689703
Reactivity	Human, Mouse, Rat, Rabbit, Horse, Bovine, Guinea Pig, Dog
Predicted	Rat, Rabbit, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	57kDa kDa

B3GALNT2 antibody - middle region - Additional Information**Gene ID** 148789**Alias Symbol** **B3GalNAc-T2, MGC39558****Other Names**

UDP-GalNAc:beta-1, 3-N-acetylgalactosaminyltransferase 2, Beta-1, 3-GalNAc-T2, 2.4.1.-, Beta-1, 3-N-acetylgalactosaminyltransferase II, B3GALNT2

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-B3GALNT2 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

B3GALNT2 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

B3GALNT2 antibody - middle region - Protein Information**Name** B3GALNT2**Function**

Beta-1,3-N-acetylgalactosaminyltransferase that synthesizes a unique carbohydrate structure, GalNAc-beta-1-3GlcNAc, on N- and O- glycans. Has no galactose nor galactosaminyl transferase activity toward any acceptor substrate. Involved in alpha-dystroglycan (DAG1) glycosylation: acts coordinately with GTDC2/POMGnT2 to synthesize a GalNAc-beta3-GlcNAc-beta-terminus at the 4-position of protein O- mannose in the biosynthesis of the phosphorylated O-mannosyl trisaccharide (N-acetylgalactosamine-beta-3-N-acetylglucosamine-beta-4-

(phosphate-6-)mannose), a carbohydrate structure present in alpha- dystroglycan, which is required for binding laminin G-like domain- containing extracellular proteins with high affinity.

Cellular Location

Golgi apparatus membrane; Single- pass type II membrane protein. Endoplasmic reticulum

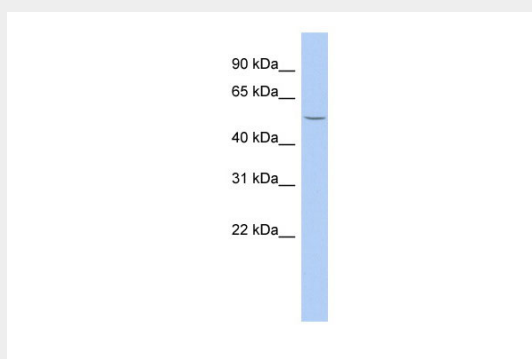
Tissue Location

Expressed in all tissues examined, but at highest levels in testis, adipose tissue, skeletal muscle and ovary

B3GALNT2 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](#)

B3GALNT2 antibody - middle region - Images

WB Suggested Anti-B3GALNT2 Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:312500

Positive Control: OVCAR-3 cell lysate

B3GALNT2 antibody - middle region - References

Gregory S.G., et al. Nature 441:315-321(2006).
Totoki Y., et al. Submitted (MAR-2005) to the EMBL/GenBank/DDBJ databases.
Hiruma T., et al. J. Biol. Chem. 279:14087-14095(2004).
Stevens E., et al. Am. J. Hum. Genet. 92:354-365(2013).
Yoshida-Moriguchi T., et al. Science 341:896-899(2013).