

For Research Use Only

B3GNT2 Polyclonal antibody, PBS Only

Catalog Number: 14200-1-PBS



Basic Information

Catalog Number:

14200-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5404

GenBank Accession Number:

BC030579

GeneID (NCBI):

10678

UNIPROT ID:

Q9NY97

Full Name:

UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 2

Calculated MW:

45 kDa

Observed MW:

45 kDa, 69 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human, mouse

Background Information

β -1,3-N-acetylglucosaminyltransferase (B3GNT2) is the most abundant and ubiquitously expressed B3GNT isoform and displays the greatest in vitro activity for N-glycan and O-glycan poly-LacNAc extension. B3GNT2 encodes a poly-N-acetylglucosamine synthase that targets >10 ligands and receptors to disrupt interactions between tumor and T cells and reduce T cell activation (PMID: 35338135, 32663509). B3GNT2 also has five predicted N-glycosylation sites at asparagine residues 79, 89, 127, 173, and 219 (PMID: 33229435). Western blots indicated the glycosylated form of B3GNT2 is detected at ~ 67 kDa.

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

For technical support and original validation data for this product please contact:

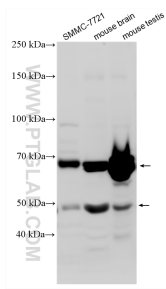
T: 4006900926

E: Proteintech-CN@ptglab.com

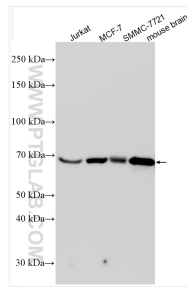
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

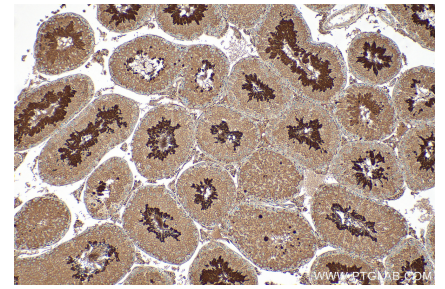
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 14200-1-AP (B3GNT2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 14200-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 14200-1-AP (B3GNT2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 14200-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 14200-1-AP (B3GNT2 antibody) at dilution of 1:600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 14200-1-PBS in a different storage buffer formulation.