

For Research Use Only

B3GNT2 Polyclonal antibody, PBS Only

Catalog Number:14200-1-PBS



Basic Information

Catalog Number:

14200-1-PBS

Size:

100ug , Concentration: 1 mg/ml by Nanodrop;

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-acetyllactosamine 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.

Storage Buffer:

PBS only, pH7.3

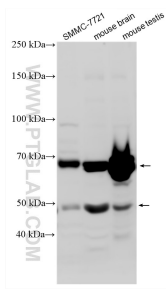
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

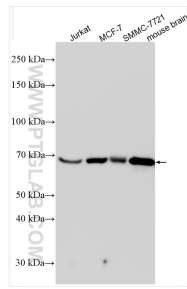
E: proteintech@ptglab.com
W: ptglab.com

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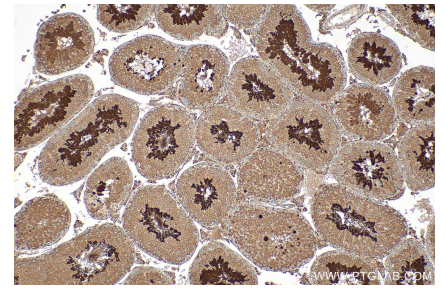
Selected Validation Data



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.



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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.