

For Research Use Only

B3GNT2 Polyclonal antibody

Catalog Number: 14200-1-AP



Basic Information

Catalog Number:

14200-1-AP

Size:

150ul , Concentration: 500 ug/ml by Nanodrop and 213 ug/ml by Bradford method using BSA as the standard;

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:

9 kDa

Observed MW:

69 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : Jurkat cells, MCF-7 cells, SMMC-7721 cells, mouse brain tissue

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-acetylglucosaminyl 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 -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

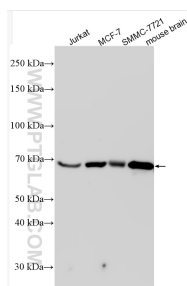
For technical support and original validation data for this product please contact:

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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.