

For Research Use Only

# GCNT1 Recombinant antibody

Catalog Number: 83121-4-RR



## Basic Information

Catalog Number:

83121-4-RR

Size:

100ul, Concentration: 1000 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG12264

GenBank Accession Number:

BC074885

GeneID (NCBI):

2650

UNIPROT ID:

Q02742

Full Name:

glucosaminyl (N-acetyl) transferase 1, core 2 (beta-1,6-N-acetylglucosaminyltransferase)

Calculated MW:

428 aa, 50 kDa

Observed MW:

50 kDa

Purification Method:

Protein A purification

CloneNo.:

240071E9

Recommended Dilutions:

WB 1:500-1:2000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human

Positive Controls:

WB : LNCaP cells, MCF-7 cells

## Background Information

Glucosaminyl (N-acetyl) transferase 1 (GCNT1, also known as C2GNT1), is a glycosyltransferase enzyme that plays an essential role in the formation of core 2 branched O-glycans that is crucial to the final definition of O-glycan structure (PMID: 37813880). GCNT1 promotes the growth of prostate tumors and regulates oncogenic gene expression pathways that are important for disease progression (PMID: 24854630).

## 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

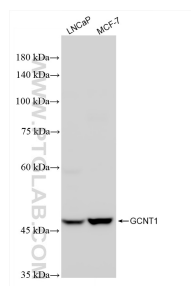
For technical support and original validation data for this product please contact:

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

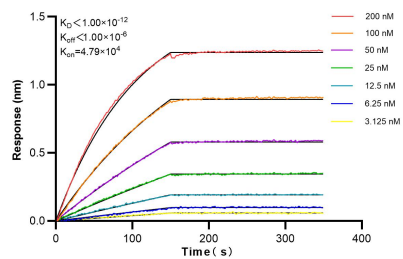
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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 83121-4-RR (GCNT1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83121-4-RR against Human GCNT1 were performed. The affinity constant is below 1 pM.