

For Research Use Only

GCNT1 Recombinant antibody

Catalog Number: 83121-4-RR



Basic Information

Catalog Number: 83121-4-RR	GenBank Accession Number: BC074885	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 2650	CloneNo.: 240071E9
Source: Rabbit	UNIPROT ID: Q02742	Recommended Dilutions: WB 1:500-1:2000
Isotype: IgG	Full Name: glucosaminyl (N-acetyl) transferase 1, core 2 (beta-1,6-N- acetylglucosaminyltransferase)	
Immunogen Catalog Number: AG12264	Calculated MW: 428 aa, 50 kDa	
	Observed MW: 50 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : LNCaP cells, MCF-7 cells
Species Specificity: Human	

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

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

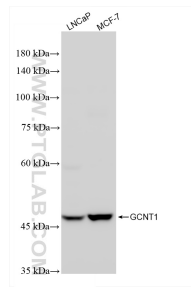
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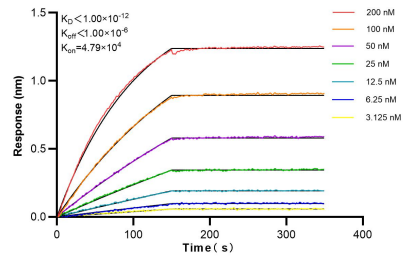
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Selected Validation Data



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.