

For Research Use Only

# C1GALT1 Polyclonal antibody

Catalog Number: 27569-1-AP

2 Publications



## Basic Information

### Catalog Number:

27569-1-AP

### Size:

150ul, Concentration: 700 ug/ml by Nanodrop and 400 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG26144

### GenBank Accession Number:

NM\_020156

### GeneID (NCBI):

56913

### UNIPROT ID:

Q9NS00

### Full Name:

core 1 synthase, glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase, 1

### Calculated MW:

42 kDa

### Observed MW:

42-45 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

## Applications

### Tested Applications:

WB, ELISA

### Cited Applications:

WB, IHC

### Species Specificity:

human

### Cited Species:

human

### Positive Controls:

WB : MKN-45 cells, HepG2 cells, T-47D cells

## Background Information

C1GALT1 (Glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase 1), also known as B3Gal-T8, catalyzes the transfer of galactose (Gal) from UDP-Gal to N-acetylgalactosamine (GalNAc) O-linked esters of threonine and serine residues of target proteins, including IgA1, to form the T antigen (PMID: 28209808). C1GalT1 is overexpressed in many common cancers including colon, breast, gastric, lung, head and neck, pancreatic, esophageal, prostate, and hepatocellular cancer (PMID: 34944925). C1GALT1 protein contains 363 amino acids and is a type II transmembrane protein. Rate C1GalT1 is an 84/86kDa disulfide-bonded homodimer, but its active form is believed to be a 42/43 kDa monomeric protein (PMID: 34149900).

## Notable Publications

Author	Pubmed ID	Journal	Application
Di Liu	32126510	Int Immunopharmacol	WB
Mengfan Guo	38807485	J Biomed Res	IHC

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

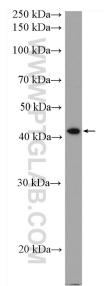
For technical support and original validation data for this product please contact:

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

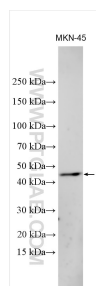
E: proteintech@ptglab.com  
W: ptglab.com

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

## Selected Validation Data



T-47D cells were subjected to SDS PAGE followed by western blot with 27569-1-AP (C1GALT1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 27569-1-AP (C1GALT1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.