

For Research Use Only

# C1GALT1 Polyclonal antibody

Catalog Number: 27569-1-AP

2 Publications



## Basic Information

Catalog Number:

27569-1-AP

Concentration:

700 ug/ml

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

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

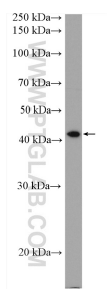
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

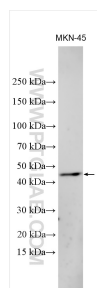
W: [ptgcn.com](http://ptgcn.com)

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## 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.