

For Research Use Only

GALNT8 Polyclonal antibody

Catalog Number: 24025-1-AP



Basic Information

Catalog Number:

24025-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG21185

GenBank Accession Number:

BC140889

GeneID (NCBI):

26290

UNIPROT ID:

Q9NY28

Full Name:

UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 8 (GalNAc-T8)

Calculated MW:

637 aa, 73 kDa

Observed MW:

73 kDa, 95 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB: HCT 116 cells, MCF-7 cells, SH-SY5Y cells, Y79 cells

Background Information

GALNT8 (Probable polypeptide N-acetylglucosaminyltransferase 8) is a member of the UDP-GalNAc polypeptide N-acetylglucosaminyl transferase (ppGaNTase) family, which initiates mucin-like O-linked protein glycosylation in the Golgi apparatus. The tissue distribution of GALNT8 is high in the heart, skeletal muscle, kidney and liver; moderate in the placenta, small intestine, leukocyte and lung; and weak in the brain, colon, thymus and spleen (PMID: 34576978). The overexpression of GALNT8 significantly promotes the cell cycle and proliferation of CRC cell lines and correlates with poor prognosis in patients with CRC. GALNT8 encodes a 637-amino-acid type-II membrane protein (GalNAc-T8). The detected molecular weight of GALNT8 (95 kDa) is much higher than the theoretical molecular weight (70 kDa) due to three N-GlcNAc sites (N85, N107 and N160) (PMID: 34743989, 34239555).

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

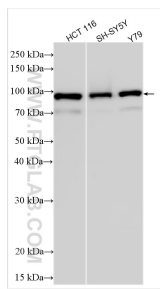
For technical support and original validation data for this product please contact:

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

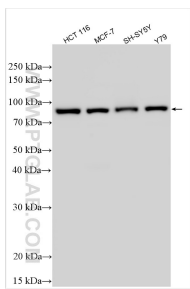
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W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 24025-1-AP (GALNT8 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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