

For Research Use Only

A4GNT Polyclonal antibody, PBS Only

Catalog Number: 22670-1-PBS



Basic Information

Catalog Number:

22670-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG18432

GenBank Accession Number:

BC119639

GeneID (NCBI):

51146

UNIPROT ID:

Q9UNA3

Full Name:

alpha-1,4-N-acetylglucosaminyltransferase

Calculated MW:

340 aa, 39 kDa

Observed MW:

34-37 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

A4GNT (alpha-1,4-N-acetylglucosaminyltransferase) catalyzes the transfer of N-acetylglucosamine (GlcNAc) to core 2 branched O-glycans, forming a unique glycan structure, GlcNAc α 1 \rightarrow 4Gal β 1 \rightarrow 6Man α 6. The gene is expressed with a bias in certain tissues, particularly in the stomach (RPKM 9.5) and duodenum (RPKM 0.9). Alpha4GnT has been implicated in O-glycan biosynthesis and is thought to have a role in preventing gastric cancer by inhibiting Helicobacter pylori infection and suppressing tumor-promoting inflammation.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

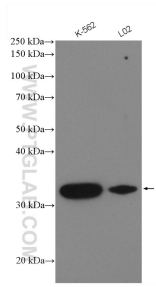
For technical support and original validation data for this product please contact:

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

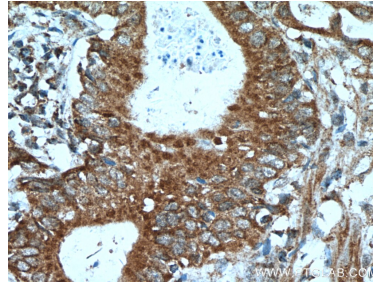
E: proteintech@ptglab.com
W: ptglab.com

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

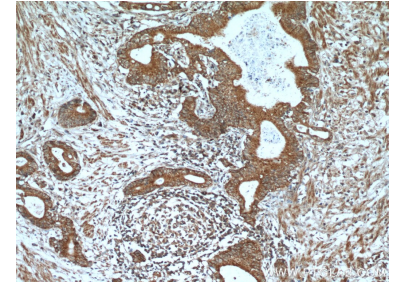
Selected Validation Data



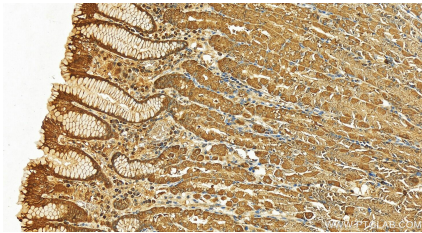
Various lysates were subjected to SDS PAGE followed by western blot with 22670-1-AP (A4GNT antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 22670-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 22670-1-AP (A4GNT antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 22670-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 22670-1-AP (A4GNT antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 22670-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human normal stomach slide using 22670-1-AP (A4GNT antibody) at dilution of 1:300 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 22670-1-PBS in a different storage buffer formulation.