

α4Gn-T Polyclonal Antibody

Catalog No: YT5000

Reactivity: Human; Mouse

Applications: WB;IHC;IF;ELISA

Target: α 4Gn-T

Gene Name: A4GNT

Protein Name: Alpha-1,4-N-acetylglucosaminyltransferase

Q9UNA3

Human Gene Id: 51146

Human Swiss Prot

No:

Immunogen: The antiserum was produced against synthesized peptide derived from human

A4GNT. AA range:31-80

Specificity: a4Gn-T Polyclonal Antibody detects endogenous levels of a4Gn-T protein.

Formulation: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution : WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 39kD

Background: This gene encodes a protein from the glycosyltransferase 32 family. The enzyme

catalyzes the transfer of N-acetylglucosamine (GlcNAc) to core 2 branched O-



glycans. It forms a unique glycan, GlcNAcalpha1-->4Galbeta-->R and is largely associated with the Golgi apparatus membrane. [provided by RefSeq, Jul 2008],

Function: domain: The conserved DXD motif is involved in enzyme

activity.,function:Necessary for the synthesis of type III mucin. Catalyzes the transfer of N-acetylglucosamine (GlcNAc) to core 2 branched O-glycans.,online

information:Alpha-1,4-N-acetylglucosaminyltransferase,online

information:GlycoGene database,pathway:Protein modification; protein glycosylation.,similarity:Belongs to the glycosyltransferase 32 family.,tissue

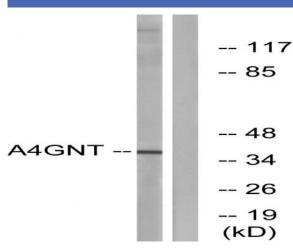
specificity: Detected in stomach and pancreas.,

Subcellular Location:

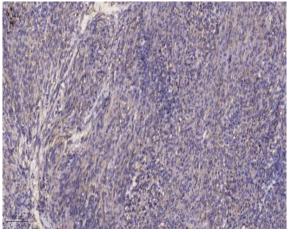
Golgi apparatus membrane ; Single-pass type II membrane protein .

Expression : Detected in stomach and pancreas.

Products Images



Western blot analysis of lysates from K562 cells, using A4GNT Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human Colon cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).