Best Tools for immunology Research

α4Gn-T Polyclonal Antibody

Catalog No :	YT5000
Reactivity :	Human;Mouse
Applications :	WB;IHC;IF;ELISA
Target :	α4Gn-T
Gene Name :	A4GNT
Protein Name :	Alpha-1,4-N-acetylglucosaminyltransferase
Human Gene Id :	51146
Human Swiss Prot No :	Q9UNA3
Immunogen :	The antiserum was produced against synthesized peptide derived from human A4GNT. AA range:31-80
Specificity :	α4Gn-T Polyclonal Antibody detects endogenous levels of α4Gn-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-

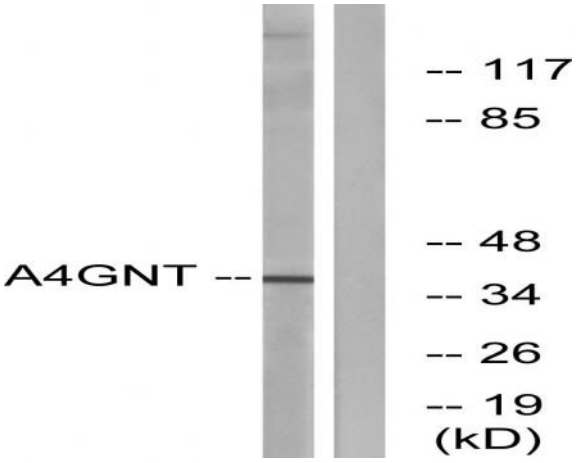
glycans. It forms a unique glycan, GlcNAcalpha1-->4Galbeta-->R and is largely associated with the Golgi apparatus membrane. [provided by RefSeq, Jul 2008],

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.,

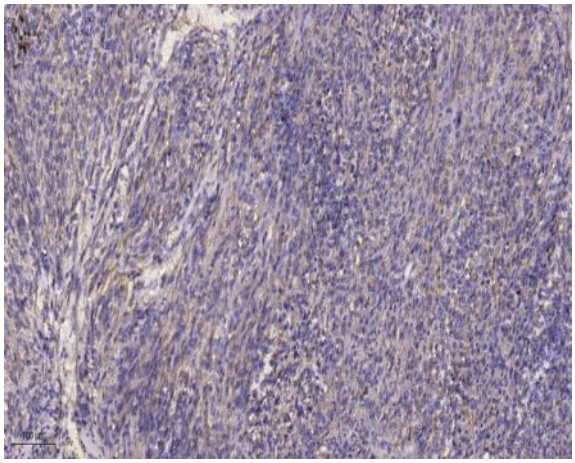
Subcellular Location : Golgi apparatus membrane ; Single-pass type II membrane protein .

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).