For Research Use Only

## A4GNT Polyclonal antibody Catalog Number:22670-1-AP

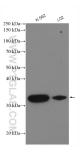


Basic Information	Catalog Number:GenBank Accession Num22670-1-APBC119639		mber:	Purification Method: Antigen affinity purification
	Size: 900 ug/ml Source: Rabbit	GeneID (NCBI): 51146 UNIPROT ID: Q9UNA3		Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
	Isotype: IgG Immunogen Catalog Number: AG18432	Full Name: alpha-1,4-N- acetylglucosaminyltransferase Calculated MW:		
		340 aa, 39 kDa Observed MW: 34-37 kDa		
Applications	Tested Applications: WB, IHC, ELISA Species Specificity: human, mouse, rat Note-IHC: suggested antige TE buffer pH 9.0; (*) Alterno retrieval may be performed buffer pH 6.0	atively, antigen	stomach tissu IHC : human s cancer tissue,	trols: Ils, mouse pancreas tissue, mouse Je, rat stomach tissue, LO2 cells stomach cancer tissue, human pancreas , rat stomach tissue, mouse stomach n stomach tissue
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, GlcNAcalpha1>4Galbeta>R. 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 -20°C. Stable for one year Storage Buffer: PBS with 0.02% sodium azide and Aliquoting is unnecessary for -20°	50% glycerol pH 7.3.		

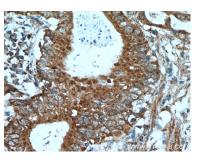
For technical support and original validation data for this product please contact: T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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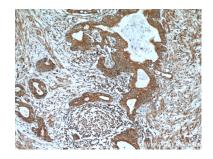
## Selected Validation Data



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.



Immunohistochemical analysis of paraffinembedded 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).



Immunohistochemical analysis of paraffinembedded 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).



Immunohistochemical analysis of paraffinembedded 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).