

Rabbit anti-Human A4GNT Polyclonal Antibody | anti-A4GNT antibody

A4GNT Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324441	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

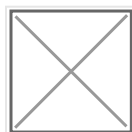
PRODUCT SYNONYMS

A4GNT; Polyclonal Antibody; A4GNT Antibody; 4-N-acetylglucosaminyltransferase; A4GCT_HUMAN; Alpha 1 4 N acetylglucosaminyltransferase; Alpha-1; Alpha4GnT; EC 2.4.1.; MGC149493; anti-A4GNT antibody

PRODUCT SPECIFICATIONS

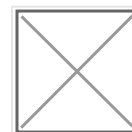
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	A4GNT antibody detects endogenous levels of total A4GNT
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	340
Applicable Applications for anti-A4GNT antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Golgi Apparatus
Tissue Specificity	Detected in stomach and pancreas.
Predicted Cross Reactivity	Pig, Dog
Similarity	Pig (82%), Dog (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from K562 cells, using A4GNT antibody.



IF (Immunofluorescence)

AAA324441 staining Hela by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-A4GNT antibody	Function: Catalyzes the transfer of N-acetylglucosamine (GlcNAc) to core 2 branched O-glycans (PubMed:10430883). Necessary for the synthesis of type III mucin which is specifically produced in the stomach, duodenum, and pancreatic duct (PubMed:10430883). May protect against inflammation-associated gastric adenocarcinomas (By similarity). Similarity: The conserved DXD motif is involved in enzyme activity. Belongs to the glycosyltransferase 32 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	7705859
NCBI GeneID	51146
NCBI Accession #	NP_057245.1
NCBI GenBank Nucleotide #	NM_016161.2
UniProt Accession #	Q9UNA3; Q0VVK1; Q0VVK2
Molecular Weight	Observed: 39 kD Predicted: 40 kDa
NCBI Official Full Name	alpha-1,4-N-acetylglucosaminyltransferase
NCBI Official Synonym Full Names	alpha-1,4-N-acetylglucosaminyltransferase
NCBI Official Symbol	A4GNT
NCBI Official Synonym Symbols	alpha4GnT
NCBI Protein Information	alpha-1,4-N-acetylglucosaminyltransferase
UniProt Protein Name	Alpha-1,4-N-acetylglucosaminyltransferase
UniProt Gene Name	A4GNT
UniProt Synonym Gene Names	Alpha4GnT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/a4gnt-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324441>