

Rabbit GALNT4 Polyclonal Antibody | anti-GALNT4 antibody

GALNT4 Antibody (N-term)

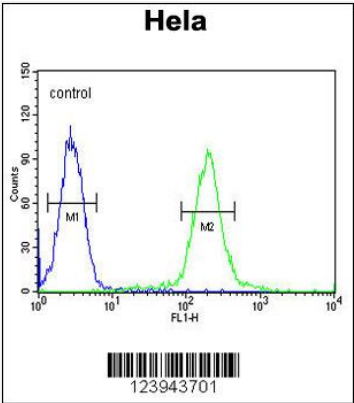
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290059	Rabbit	Human (Predicted Reactivity: Mouse)	Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

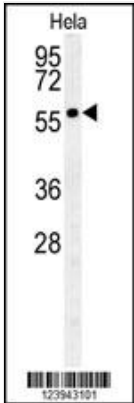
GALNT4; Polyclonal Antibody; GALNT4 Antibody (N-term); Polypeptide N-acetylgalactosaminyltransferase 4; Polypeptide GalNAc transferase 4; GalNAc-T4; pp-GaNTase 4; Protein-UDP acetylgalactosaminyltransferase 4; UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 4; anti-GALNT4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This GALNT4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 93-120 amino acids from the N-terminal region of human GALNT4.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	93-120
Sequence Length	406
Applicable Applications for anti-GALNT4 antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
GALNT4 Antibody (N-term) flow cytometric analysis of Hela cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
GALNT4 Antibody (N-term) western blot analysis in Hela cell line lysates (35ug/lane).This demonstrates the GALNT4 antibody detected the GALNT4 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-GALNT4 antibody	This gene encodes a member of the UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase (GalNAc-T) family of enzymes. GalNAc-Ts initiate mucin-type O-linked glycosylation in the Golgi apparatus by catalyzing the transfer of GalNAc to serine and threonine residues on target proteins. They are characterized by an N-terminal transmembrane domain, a stem region, a luminal catalytic domain containing a GT1 motif and Gal/GalNAc transferase motif, and a C-terminal ricin/lectin-like domain. GalNAc-Ts have different, but overlapping, substrate specificities and patterns of expression. In vitro, the encoded protein can complement other GalNAc-Ts in the complete O-glycosylation of the mucin-1 tandem repeat and can O-glycosylate the P-selectin glycoprotein ligand-1 molecule. The coding region of this gene is contained within a single exon.
References	O'Halloran, A.M., et al. J. Thromb. Thrombolysis 27(2):175-184(2009) Argueso, P., et al. Invest. Ophthalmol. Vis. Sci. 44(1):86-92(2003) Hassan, H., et al. J. Biol. Chem. 275(49):38197-38205(2000) Bennett, E.P., et al. J. Biol. Chem. 273(46):30472-30481(1998) Bennett, E.P., et al. Glycobiology 8(6):547-555(1998)

NCBI AND UNIPROT INFORMATION

NCBI GI #	315139010
NCBI GeneID	100528030
NCBI Accession #	NP_001186711.1; NP_003765.2
NCBI GenBank Nucleotide #	NM_001199782.1
UniProt Accession #	Q8N4A0; O00208; B2R775; B4DMX6
Molecular Weight	66666
NCBI Official Full Name	POC1B-GALNT4 protein isoform 2
NCBI Official Synonym Full Names	POC1B-GALNT4 readthrough
NCBI Official Symbol	POC1B-GALNT4

NCBI Protein Information	POC1B-GALNT4 protein
UniProt Protein Name	Polypeptide N-acetylgalactosaminyltransferase 4
UniProt Gene Name	GALNT4
UniProt Synonym Gene Names	GalNAc-T4; pp-GaNTase 4
UniProt Entry Name	GALT4_HUMAN

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://www.aaabiotech.com/polyclonal/galnt4-antibody-flow-cytometry-western-blot-elisa/290059>