

**GALNT4 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP10190a**

**Specification**

**GALNT4 Antibody (N-term) - Product Information**

Application	<b>WB, FC,E</b>
Primary Accession	<a href="#">O8N4A0</a>
Other Accession	<a href="#">O08832</a> , <a href="#">NP_003765.2</a>
Reactivity	<b>Human</b>
Predicted	<b>Mouse</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>Rabbit Ig</b>
Calculated MW	<b>66666</b>
Antigen Region	<b>93-120</b>

**GALNT4 Antibody (N-term) - Additional Information**

**Gene ID** 100528030;8693

**Other Names**

Polypeptide  
N-acetylgalactosaminyltransferase 4,  
Polypeptide GalNAc transferase 4,  
GalNAc-T4, pp-GaNTase 4, Protein-UDP  
acetylgalactosaminyltransferase 4,  
UDP-GalNAc:polypeptide  
N-acetylgalactosaminyltransferase 4,  
GALNT4

**Target/Specificity**

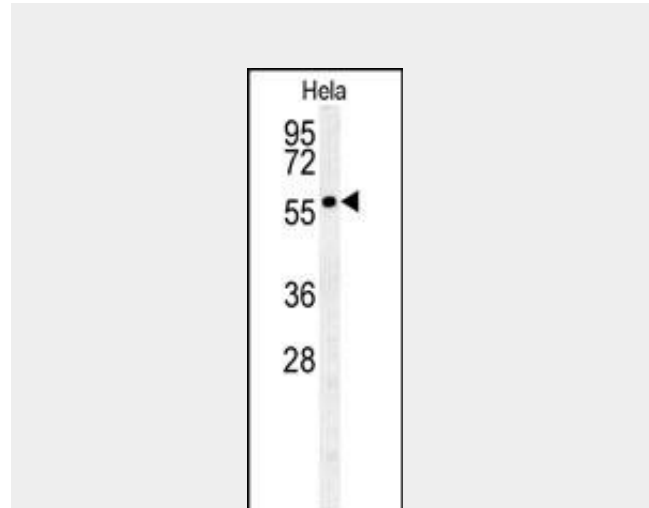
This GALNT4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 93-120 amino acids from the N-terminal region of human GALNT4.

**Dilution**

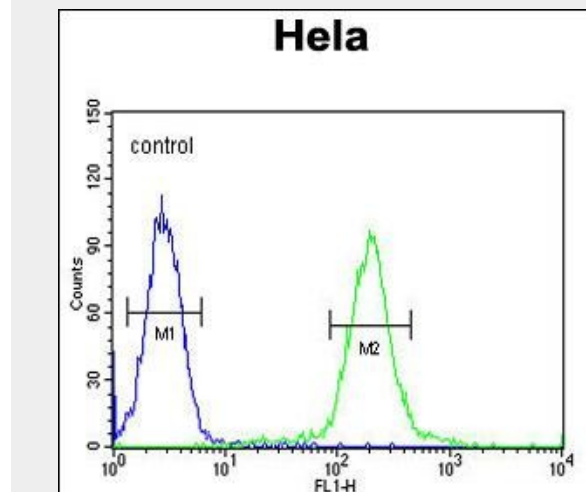
WB~~1:1000  
FC~~1:10~50

**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.



GALNT4 Antibody (N-term) (Cat. #AP10190a) western blot analysis in HeLa cell line lysates (35ug/lane). This demonstrates the GALNT4 antibody detected the GALNT4 protein (arrow).



GALNT4 Antibody (N-term) (Cat. #AP10190a) 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.

**GALNT4 Antibody (N-term) - Background**

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

GALNT4 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**GALNT4 Antibody (N-term) - Protein Information**

**Name** GALNT4

**Function**

Catalyzes the initial reaction in O-linked oligosaccharide biosynthesis, the transfer of an N-acetyl-D-galactosamine residue to a serine or threonine residue on the protein receptor. Has a highest activity toward Muc7, EA2 and Muc2, with a lowest activity than GALNT2. Glycosylates 'Thr-57' of SELPLG.

**Cellular Location**

Golgi apparatus membrane; Single-pass type II membrane protein

**Tissue Location**

Ubiquitous. Highly expressed in mucous cells.

**GALNT4 Antibody (N-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

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.

**GALNT4 Antibody (N-term) - 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)  
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