

**GALNT5 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP9976a****Specification**

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**GALNT5 Antibody (N-term) - Product Information**

Application	WB, IHC-P, FC,E
Primary Accession	<a href="#">Q7Z7M9</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	106266
Antigen Region	24-53

**GALNT5 Antibody (N-term) - Additional Information****Gene ID** 11227**Other Names**

Polypeptide N-acetylgalactosaminyltransferase 5, Polypeptide GalNAc transferase 5, GalNAc-T5, pp-GaNTase 5, Protein-UDP acetylgalactosaminyltransferase 5, UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 5, GALNT5

**Target/Specificity**

This GALNT5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 24-53 amino acids from the N-terminal region of human GALNT5.

**Dilution**

WB~~1:1000  
IHC-P~~1:50~100  
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.

**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**

GALNT5 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**GALNT5 Antibody (N-term) - Protein Information****Name** GALNT5

**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 activity toward EA2 peptide substrate, but has a weak activity toward Muc2 or Muc1b substrates (By similarity).

**Cellular Location**

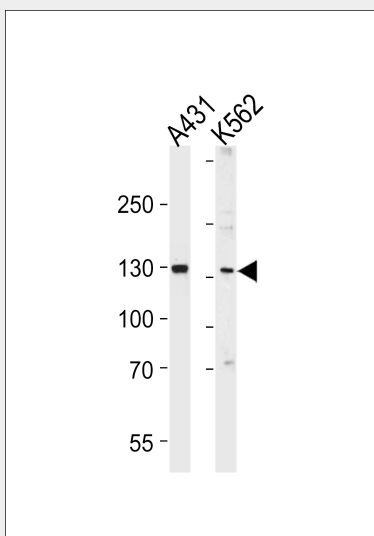
Golgi apparatus membrane; Single- pass type II membrane protein

**GALNT5 Antibody (N-term) - Protocols**

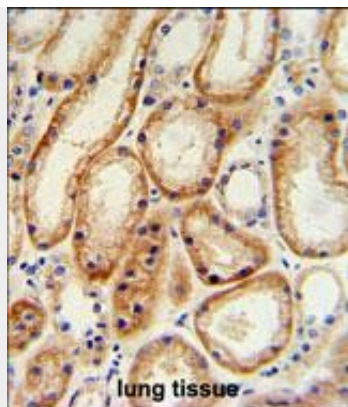
Provided below are standard protocols that you may find useful for product applications.

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

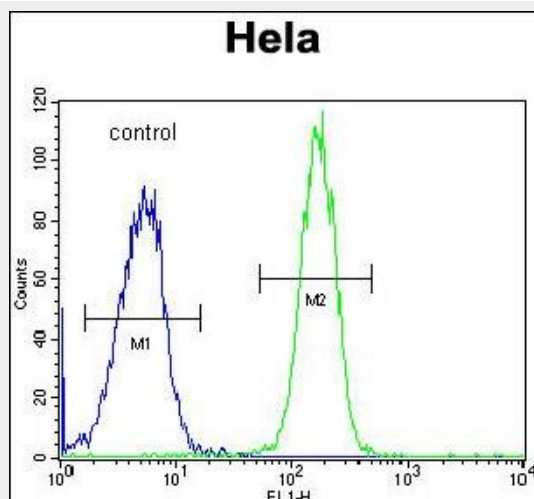
**GALNT5 Antibody (N-term) - Images**



Western blot analysis of lysates from A431, K562 cell line (from left to right), using GALNT5 Antibody (N-term)(Cat. #AP9976a). AP9976a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.



GALNT5 Antibody (N-term) (Cat. #AP9976a) IHC analysis in formalin fixed and paraffin embedded human normal lung tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the GALNT5 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



GALNT5 Antibody (N-term) (Cat. #AP9976a) 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.

### **GALNT5 Antibody (N-term) - Background**

GALNT5 can catalyze 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. GALNT5 has activity toward EA2 peptide substrate, but it has a weak activity toward Muc2 or Muc1b substrates.

### **GALNT5 Antibody (N-term) - References**

Simmons, A.D., et al. Hum. Mol. Genet. 8(12):2155-2164(1999)

### **GALNT5 Antibody (N-term) - Citations**

- [The Glycoprotein Mucin-1 Negatively Regulates GalNAc Transferase 5 Expression in Pancreatic Cancer.](#)