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GALNT5 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9976a

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q7Z7M9
Reactivity	Human
Predicted	Rabbit, Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB24611
Calculated MW	106266
Antigen Region	24-53

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~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
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.

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

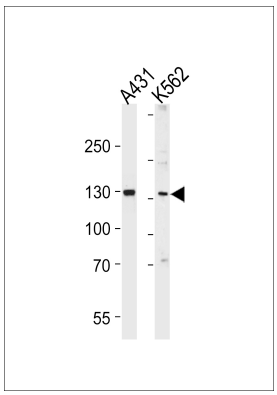
Background

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.

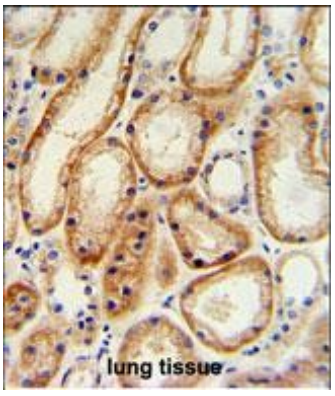
References

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

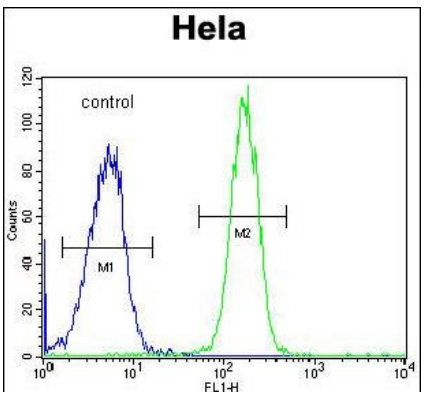
Images



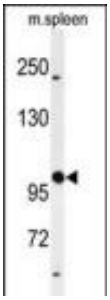
Western blot analysis of lysates from A431, K562 cell line (from left to right), using GALNT5 Antibody (N-term)(Cat. #AP9976a). AP9976a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.



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.



Western blot analysis of GALNT5 Antibody (N-term) (Cat. #AP9976a) in mouse spleen tissue lysates (35ug/lane). GALNT5 (arrow) was detected using the purified Pab.

Citations

- The Glycoprotein Mucin-1 Negatively Regulates GalNAc Transferase 5 Expression in Pancreatic Cancer.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.