

GALNT14 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18637a

Specification

GALNT14 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O96FL9
Other Accession	NP_078848.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	64321
Antigen Region	39-66

GALNT14 Antibody (N-term) - Additional Information

Gene ID 79623

Other Names

Polypeptide N-acetylgalactosaminyltransferase 14, Polypeptide GalNAc transferase 14, GalNAc-T14, pp-GaNTase 14, Protein-UDP acetylgalactosaminyltransferase 14, UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 14, GALNT14

Target/Specificity

This GALNT14 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 39-66 amino acids from the N-terminal region of human GALNT14.

Dilution

WB~~1:1000

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

GALNT14 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

GALNT14 Antibody (N-term) - Protein Information

Name GALNT14

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. Displays activity toward mucin-derived peptide substrates such as Muc2, Muc5AC, Muc7, and Muc13 (-58). May be involved in O-glycosylation in kidney.

Cellular Location

Golgi apparatus membrane; Single-pass type II membrane protein

Tissue Location

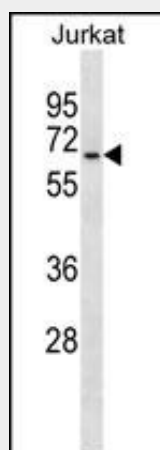
Detected in renal tubules (at protein level). Highly expressed in fetal and adult kidney. Widely expressed at low level. Weakly expressed in whole brain, cerebellum, thymus, lung, mammary gland, liver, stomach, small intestine, colon, pancreas, spleen, bladder, uterus, placenta, testis, ovary, skeletal muscle, leukocyte, B-cell, bone marrow, fetal brain, fetal thymus, fetal lung, fetal liver, fetal small intestine, fetal spleen, fetal skeletal and fetus. Detected in renal tubules (at protein level)

GALNT14 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](#)

GALNT14 Antibody (N-term) - Images



GALNT14 Antibody (N-term) (Cat. #AP18637a) western blot analysis in Jurkat cell line lysates (35ug/lane). This demonstrates the GALNT14 antibody detected the GALNT14 protein (arrow).

GALNT14 Antibody (N-term) - Background

GALNT14 (EC 2.4.1.41) belongs to a large subfamily of glycosyltransferases residing in the Golgi apparatus. GALNT enzymes catalyze the first step in the O-glycosylation of mammalian proteins by transferring N-acetyl-D-galactosamine (GalNAc) to

peptide substrates.

GALNT14 Antibody (N-term) - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Stern, H.M., et al. Clin. Cancer Res. 16(5):1587-1596(2010)
Wu, C., et al. BMC Cancer 10, 123 (2010) :
Wu, C., et al. J. Biosci. 34(3):389-395(2009)
Wu, C., et al. Biochem. Biophys. Res. Commun. 357(2):360-365(2007)