

GALNT14 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP18637a**Specification**

GALNT14 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q96FL9](#)**GALNT14 Antibody (N-term) Blocking Peptide - 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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GALNT14 Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

GALNT14 Antibody (N-term) Blocking Peptide - Images

GALNT14 Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - 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)