

GALNT6 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16816b

Specification

GALNT6 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	Q8NCL4
Other Accession	Q5EA41 , NP_009141.2
Reactivity	Human
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	71159
Antigen Region	552-579

GALNT6 Antibody (C-term) - Additional Information

Gene ID 11226

Other Names

Polypeptide N-acetylgalactosaminyltransferase 6, Polypeptide GalNAc transferase 6, GalNAc-T6, pp-GaNTase 6, Protein-UDP acetylgalactosaminyltransferase 6, UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 6, GALNT6

Target/Specificity

This GALNT6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 552-579 amino acids from the C-terminal region of human GALNT6.

Dilution

WB~~1:1000

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

GALNT6 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

GALNT6 Antibody (C-term) - Protein Information

Name GALNT6

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 (PubMed:[10464263](#), PubMed:[31932717](#)). May participate in synthesis of oncofetal fibronectin (PubMed:[10464263](#)). Has activity toward MUC1A, MUC2, EA2 and fibronectin peptides (PubMed:[10464263](#)). Glycosylates FGF23 (PubMed:[31932717](#)).

Cellular Location

Golgi apparatus membrane {ECO:0000250|UniProtKB:Q14435}; Single-pass type II membrane protein {ECO:0000250|UniProtKB:Q14435}

Tissue Location

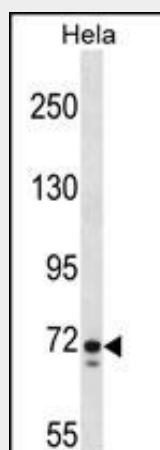
Expressed in placenta and trachea. Weakly expressed in brain and pancreas. Expressed in fibroblast. Weakly or not expressed in lung, liver, muscle, kidney, spleen, thymus, prostate, testis, ovary, intestine, colon, leukocyte, stomach, thyroid, spinal cord, lymph node, trachea, adrenal gland and bone marrow

GALNT6 Antibody (C-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](#)

GALNT6 Antibody (C-term) - Images



GALNT6 Antibody (C-term) (Cat. #AP16816b) western blot analysis in HeLa cell line lysates (35ug/lane). This demonstrates the GALNT6 antibody detected the GALNT6 protein (arrow).

GALNT6 Antibody (C-term) - Background

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. The encoded protein is capable of glycosylating fibronectin peptide in vitro and is expressed in a fibroblast cell line, indicating that it may be involved in the synthesis of oncofetal fibronectin.

GALNT6 Antibody (C-term) - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Gomes, J., et al. J. Histochem. Cytochem. 57(1):79-86(2009)
Patani, N., et al. Cancer Genomics Proteomics 5(6):333-340(2008)
Argueso, P., et al. Invest. Ophthalmol. Vis. Sci. 44(1):86-92(2003)
Bennett, E.P., et al. J. Biol. Chem. 274(36):25362-25370(1999)