

GALNT6 Rabbit pAb

Catalog # AP96778

Product Information

Application	WB
Primary Accession	Q8NCL4
Other Accession	Q8NCL4
Reactivity	Mouse
Predicted	Rat, Human, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	71159
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GALNT6
Epitope Specificity	351-450/622
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the glycosyltransferase 2 family. GalNAc-T subfamily. Contains 1 ricin B-type lectin domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	11226
Other Names	GALNAC-T6; GalNAcT6; 4632410F13; GALT6_BOVIN; GALNT6; Polypeptide GalNAc transferase 6 (GalNAc-T6 pp-GaNTase 6); Protein-UDP acetylgalactosaminyltransferase 6; UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 6; 2.4.1.41; GALT6_HUMAN; GALT6_MOUSE; polypeptide N-acetylgalactosaminyltransferase 6; UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 6 (GalNAc-T6); polypeptide GalNAc transferase 6

Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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

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