

GALNTL1 Rabbit pAb

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Catalog # AP56181

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q8N428
Reactivity	Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	63074
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GALNTL1
Epitope Specificity	51-150/558
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Golgi apparatus membrane; Single pass type II membrane protein
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	The UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase (GalNAc-T) family of enzymes are substrate-specific proteins that catalyze the transfer of GalNAc (N-acetylgalactosaminyl) to serine and threonine residues onto various proteins, thereby initiating mucin-type O-linked glycosylation in the Golgi apparatus. GalNAc-TL1 (UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase-like 1), also known as GALNT16, is a 588 amino acid single-pass type II membrane protein belonging to the glycosyltransferase 2 family, which localizes to the Golgi apparatus. GalNAc-TL1 utilizes manganese and calcium as cofactors, and catalyzes the initial reaction in O-linked oligosaccharide biosynthesis, which involves the transfer of an N-acetyl-D-galactosamine residue to a serine or threonine residue on the protein receptor. Containing one ricin B-type lectin domain, GalNAc-TL1 exists as two alternatively spliced isoforms.

Additional Information

Gene ID	57452
Other Names	Polypeptide N-acetylgalactosaminyltransferase 16, 2.4.1.41, Polypeptide GalNAc transferase 16, GalNAc-T16, Polypeptide GalNAc transferase-like protein 1, GalNAc-T-like protein 1, pp-GaNTase-like protein 1, Polypeptide N-acetylgalactosaminyltransferase-like protein 1, Protein-UDP acetylgalactosaminyltransferase-like protein 1, UDP-GalNAc:polypeptide

N-acetylgalactosaminyltransferase-like protein 1, GALNT16, GALNTL1, KIAA1130

Dilution IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500
0-10000

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 GALNT16

Synonyms GALNTL1, KIAA1130

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.

Cellular Location Golgi apparatus membrane; Single- pass type II membrane protein

Background

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