10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

GALNTL1 Rabbit pAb

GALNTL1 Rabbit pAb
Catalog # AP56181

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8N428
Predicted	Rat, Human, Mouse, Rabbit
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
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=1:5000-10000
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

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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