SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-GALNTL1 antibody

Catalog Number: SL16225R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	GALNTL1
Immunogen:	KLH conjugated synthetic peptide derived from human GALNTL1: 51-150/558
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Mouse, Rat, Rabbit)
Predicted MW.:	63kDa
Subcellular Location:	cytoplasmic
Background:	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

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	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. **Function:** GALNTL1 belongs to the glycosyltransferase 2 family, GalNAc-T subfamily. It contains 1 ricin B type lectin domain. GALNTL1 may catalyze 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. **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. **Database links:** **Entrez Gene:** 57452 Human **Entrez Gene:** 108760 Mouse **SwissProt:** Q8N428 Human **SwissProt:** Q9JJ61 Mouse

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