SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-GALNT6 antibody

Catalog Number: SL16222R

FOR RESEARCH USE ONLY

[DATASHEET]

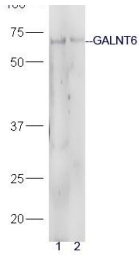
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	GALNT6
Immunogen:	KLH conjugated synthetic peptide derived from human GALNT6: 351-450/622
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse(predicted:Human,Rat,Rabbit)
Predicted MW.:	71kDa
Subcellular Location:	cytoplasmic
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 lumenal 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] **Function:** Catalyzes the initial reaction in O-linked oligosaccharide biosynthesis, the transfer of an N-acetyl-D-galactosamine residue to a serine or

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	threonine residue on the protein receptor. May participate in synthesis of oncofetal fibronectin. Has activity toward Muc1a, Muc2, EA2 and fibronectin peptides. **Subcellular Location:** Golgi apparatus membrane. **Tissue Specificity:** 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. **Similarity:** Belongs to the glycosyltransferase 2 family. GalNAc-T subfamily. Contains 1 ricin B-type lectin domain. **Database links:** **Entrez Gene:** 11226 Human **Entrez Gene:** 207839 Mouse **Entrez Gene:** 100361647 Rat **SwissProt:** Q5EA41 Cow **SwissProt:** Q8NCL4 Human **SwissProt:** Q8C7U7 Mouse **Unigene:** 505575 Human **Unigene:** 22969 Mouse **Unigene:** 104292 Rat

[VALIDATION IMAGES]



Sample:
intestine (mouse) Lysate at 40 ug
placenta (mouse) Lysate at 40 ug
Primary: Anti-GALNT6 (SL16222R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 71 kD
Observed band size: 71 kD

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