SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-GALNT7 antibody

Catalog Number: SL16223R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	GALNT7
Immunogen:	KLH conjugated synthetic peptide derived from human GALNT7: 321-420/657
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, Cow, Rabbit, Sheep)
Predicted MW.:	75kDa
Subcellular Location:	cytoplasmic
Background:	This gene encodes GalNAc transferase 7, a member of the GalNAc-transferase family. The enzyme encoded by this gene controls the initiation step of mucin-type O-linked protein glycosylation and transfer of N-acetylgalactosamine to serine and threonine amino acid residues. This enzyme is a type II transmembrane protein and shares common sequence motifs with other family members. Unlike other family members, this enzyme shows exclusive specificity for partially GalNAc-glycosylated acceptor substrates and shows no activity with non-glycosylated peptides. This protein may function as a follow-up enzyme in the initiation step of O-glycosylation. [provided by RefSeq, Jul 2008]

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

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	Function: Glycopeptide transferase involved in O-linked oligosaccharide biosynthesis, which catalyzes the transfer of an N-acetyl-D-galactosamine residue to an already glycosylated peptide. In contrast to other proteins of the family, it does not act as a peptide transferase that transfers GalNAc onto serine or threonine residue on the protein receptor, but instead requires the prior addition of a GalNAc on a peptide before adding additional GalNAc moieties. Some peptide transferase activity is however not excluded, considering that its appropriate peptide substrate may remain unidentified. **Subcellular Location:** Golgi apparatus membrane. **Tissue Specificity:** Widely expressed. Expressed in uterus, retina, kidney, small intestine, omentum, stomach and CNS. **Similarity:** Belongs to the glycosyltransferase 2 family. GalNAc-T subfamily. Contains 1 ricin B-type lectin domain. **Database links:** **Entrez Gene:** 51809 Human **Entrez Gene:** 108150 Mouse **Entrez Gene:** 100171466 Orangutan **Entrez Gene:** 29750 Rat Omim: 605005 Human **SwissProt:** Q86SF2 Human **SwissProt:** Q80VA0 Mouse **SwissProt:** Q5RFJ6 Orangutan **SwissProt:** Q9R0C5 Rat **Unigene:** 548088 Human **Unigene:** 62886 Mouse **Unigene:** 207200 Rat

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