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[Primary Antibody]

Rabbit Anti-GALNT2 antibody

Catalog Number: SL16218R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	GALNT2
Immunogen:	KLH conjugated synthetic peptide derived from human GALNT2: 471-571/571
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)
Predicted MW.:	65kDa
Subcellular Location:	cytoplasmic Extracellular matrix Secretory protein
Background:	This gene encodes polypeptide N-acetylgalactosaminyltransferase 2, a member of the GalNAc-transferases family. This family transfers an N-acetyl galactosamine to the hydroxyl group of a serine or threonine residue in the first step of O-linked oligosaccharide biosynthesis. Individual GalNAc-transferases have distinct activities and initiation of O-glycosylation in a cell is regulated by a repertoire of GalNAc-transferases. [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 threonine residue on the protein receptor. Has a broad spectrum of substrates for peptides such as EA2, Muc5AC, Muc1a, Muc1b. Probably involved in O-

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	linked glycosylation of the immunoglobulin A1 (IgA1) hinge region. **Subcellular Location:** Golgi apparatus; Golgi stack membrane. Secreted. Resides preferentially in the trans and medial parts of the Golgi stack. A secreted form also exists. **Tissue Specificity:** Widely expressed. **Similarity:** Belongs to the glycosyltransferase 2 family. GalNAc-T subfamily. Contains 1 ricin B-type lectin domain. **Database links:** **Entrez Gene:** 2590 Human **Entrez Gene:** 108148 Mouse **Entrez Gene:** 292090 Rat Omim: 602274 Human **SwissProt:** Q10471 Human **SwissProt:** Q6PB93 Mouse **Unigene:** 654649 Human **Unigene:** 33808 Mouse

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