

bs-13273R**[Primary Antibody]****GALNT1 Rabbit pAb**

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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: ELISA (1:5000-10000)
Clonality: Polyclonal		Reactivity: (predicted: Human, Mouse, Rat, Pig, Sheep, Cow, Chicken, Dog, Horse)
GeneID: 2589	SWISS: Q10472	Predicted MW.: 64 kDa
Target: GALNT1		Subcellular Location: Secreted ,Cell membrane
Immunogen: KLH conjugated synthetic peptide derived from human GALNT1/GalNAc-T1: 101-200/559.		
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°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
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-acetylgalactosamine) to serine and threonine residues onto various proteins, thereby initiating mucin-type O-linked glycosylation in the Golgi apparatus. GalNAc-T1, also known as GALNT1 (Polypeptide N-acetylgalactosaminyltransferase 1), is a ubiquitously expressed 559 amino acid single-pass type II membrane protein that localizes to the Golgi apparatus and, like other GalNAc-Ts, contains a stem region and a C-terminal ricin/lectin-like domain. GalNAc-T1 catalyzes the first reaction in O-linked oligosaccharide biosynthesis, namely the transfer of an N-acetyl-D-galactosamine residue to a protein acceptor. GalNAc-T1 uses calcium and manganese as cofactors. Due to alternative splicing events, two GalNAc-T1 isoforms are expressed.		