



Rabbit Anti-GCNT7 antibody

SL13319R

Product Name:	GCNT7
Chinese Name:	β 1-6 N-乙酰氨基葡萄糖转移酶7抗体
Alias:	3-galactosyl-O-glycosyl-glycoprotein beta-1; 6-N-acetylglucosaminyltransferase 7; Beta-1; Beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltransferase 7; C20orf105; GCNT; GCNT7; GCNT7_HUMAN; glucosaminyl (N-acetyl) transferase family member 7.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Horse,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	49kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human GCNT7:241-430/430
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Belonging to the glycosyltransferase 14 family, GCNT7, also known as Beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltransferase 7, is a 430 amino acid glycosyltransferase that is localized to the Golgi apparatus. Other members of this family include GCNT1, GCNT2, GCNT3, GCNT4 and GCNT6.

GCNT1 has been shown to play an important regulatory role in the biosynthesis of mucin-type O-glycans, which serve as ligands in cell adhesion. Specifically, GCNT1 expression in leukocytes regulates the synthesis of core 2 O-glycans that carry sialyl-Lewis x (sLex) oligosaccharides, which confer high affinity binding to Selectin proteins. Since downregulation of Selectin ligand expression has been shown to inhibit tissue infiltration, glycosyltransferase 14 family members represent potential drug targets for the treatment of inflammatory disorders and other pathologies involving Selectin proteins.

Function:

Glycosyltransferase.

Subcellular Location:

Golgi apparatus membrane.

Similarity:

Belongs to the glycosyltransferase 14 family.

SWISS:

Q6ZNI0

Gene ID:

140687

Database links:

[Entrez Gene: 140687](#)Human

[SwissProt: Q6ZNI0](#)Human

[Unigene: 655916](#)Human

Important Note:

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