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Datasheet for ABIN5003305

**anti-GCNT7 antibody (AA 241-430) (Alexa Fluor 680)**

## Overview

Quantity:	100 µL
Target:	GCNT7
Binding Specificity:	AA 241-430
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GCNT7 antibody is conjugated to Alexa Fluor 680
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human GCNT7
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Horse
Purification:	Purified by Protein A.

## Target Details

Target:	GCNT7
Alternative Name:	GCNT7 ( <a href="#">GCNT7 Products</a> )
Background:	Synonyms: 3-galactosyl-O-glycosyl-glycoprotein beta-1, 6-N-acetylglucosaminyltransferase 7,

## Target Details

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.

Background: 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.

Gene ID: 140687

## Application Details

Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months