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Datasheet for ABIN1700308  
**anti-GCNT2 antibody (AA 151-250) (Biotin)**

## Overview

Quantity:	100 µL
Target:	GCNT2
Binding Specificity:	AA 151-250
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GCNT2 antibody is conjugated to Biotin
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human GCNT2
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat,Horse
Purification:	Purified by Protein A.

## Target Details

Target:	GCNT2
Alternative Name:	GCNT2 ( <a href="#">GCNT2 Products</a> )

## Target Details

**Background:** Synonyms: bA360019.2, bA421M1.1, Beta 1 6 N acetylglucosaminyltransferase 2, CCAT, GCNT 2, GCNT2C, GCNT5, Glucosaminyl N acetyl transferase 2 I branching enzyme I blood group, Glucosaminyl N acetyl transferase 2 I branching enzyme, I beta 1 6 N acetylglucosaminyltransferase, I branching beta 1 6 acetylglucosaminyltransferase, I branching enzyme, IGNT, II, li blood group, MGC163396, N acetylglucosaminyltransferase, N acetylglucosaminyltransferase, NACGT1, NAGCT1, ULG3. Background: Belonging to the glycosyltransferase 14 family, GCNT2 (glucosaminyl (N-acetyl) transferase 2, I-branching enzyme (I blood group)), also known as II, N-acetylglucosaminyltransferase, IGNT, CCAT, ULG3, GCNT5, GCNT2C or NACGT1, is a 400 amino acid glycosyltransferase that localizes to the Golgi apparatus. Other members of the glycosyltransferase 14 family include GCNT1, GCNT3, GCNT4, GCNT6 and GCNT7. A single-pass type II membrane protein, GCNT2 functions as a branching enzyme known as beta-1,6-N-acetylglucosaminyltransferase, which converts fetal i antigen to adult I antigen in erythrocytes during embryonic development. With expression levels increasing significantly during oncogenesis and development, GCNT2 is found at highest levels in adult prostate and fetal brain, and is found at low levels in heart, small intestine, colon, brain, pancreas and kidney.

**Gene ID:** 2651

**Pathways:** [Glycosaminoglycan Metabolic Process](#)

## Application Details

**Application Notes:** WB 1:300-5000  
IHC-P 1:200-400  
IHC-F 1:100-500

**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

Handling

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	handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C for 12 months.
Expiry Date:	12 months