

Datasheet for ABIN1713810
anti-GCNT2 antibody (AA 151-250)

3 Images

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Overview

Quantity:	100 µL
Target:	GCNT2
Binding Specificity:	AA 151-250
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GCNT2 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC)

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
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Target Details

Alternative Name:	GCNT2 (GCNT2 Products)
Background:	<p>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 acetylactosaminide beta 1 6 N acetylglucosaminyltransferase, NACGT1, NAGCT1, ULG3.</p> <p>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.</p>
Gene ID:	2651
Pathways:	Glycosaminoglycan Metabolic Process

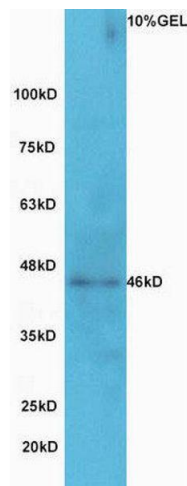
Application Details

Application Notes:	<p>WB 1:300-5000</p> <p>ELISA 1:500-1000</p> <p>FCM 1:20-100</p> <p>IHC-P 1:200-400</p> <p>IHC-F 1:100-500</p> <p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p> <p>IF(ICC) 1:50-200</p> <p>ICC 1:100-500</p>
Restrictions:	For Research Use only

Handling

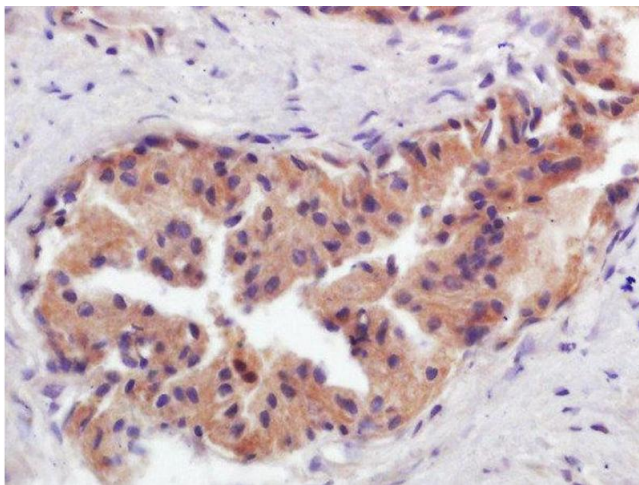
Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Images



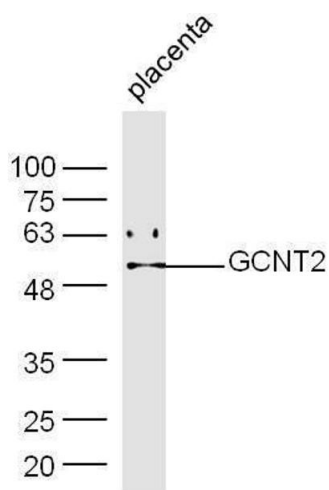
Western Blotting

Image 1. Lane 1: A549 cell lysates probed with Rabbit Anti-GCNT2 Polyclonal Antibody, Unconjugated (ABIN1713810) at 1:300 overnight at 4 °C. Followed by conjugation to secondary antibody at 1:5000 for 90 min at 37 °C.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Formalin-fixed and paraffin embedded human prostate labeled with Anti-GCNT2 Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining



Western Blotting

Image 3. Mouse placenta lysates probed with Rabbit Anti-GCNT Polyclonal Antibody, Unconjugated at 1:500 for 90 min at 37°C.