Datasheet for ABIN1693041

anti-GCNT2 antibody (AA 151-250) (Alexa Fluor 350)

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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 conjugated to Alexa Fluor 350
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

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 (GCNT2 Products)

Target Details

Background:	Synonyms: bA360O19.2, 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, Ii blood group, MGC163396, N acetylglucosaminyltransferase, N acetyllactosaminide beta 1 6 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:	FCM 1:20-100
	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

Handling

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

