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Datasheet for ABIN1698997

anti-GBGT1 antibody (AA 251-347) (Alexa Fluor 647)

Overview

Quantity:	100 µL
Target:	GBGT1
Binding Specificity:	AA 251-347
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GBGT1 antibody is conjugated to Alexa Fluor 647
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 GBGT1
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Cow, Sheep, Pig, Horse, Chicken
Purification:	Purified by Protein A.

Target Details

Target:	GBGT1
Alternative Name:	GBGT1 (GBGT1 Products)
Background:	Synonyms: 3-N-acetylgalactosaminyltransferase 1, A3GALNT, EC=2.4.1.-, Forssman glycolipid

Target Details

synthase-like protein, Forssman glycolipid synthetase FS, Forssman synthetase, FS, GBGT1, GBGT1_HUMAN, Globoside alpha-1, globoside alpha-1,3-N-acetylgalactosaminyltransferase 1, glycolipid synthase-like protein, RP11-326L24.6, UNQ2513, UNQ2513/PRO6002.

Background: GBGT1 is a 347 amino acid single-pass type II membrane protein that belongs to the glycosyltransferase 6 family. Localizing to the golgi apparatus membrane, GBGT1 is widely expressed, with high levels found in placenta, ovary and peripheral blood leukocyte, and lower levels expressed in liver, thymus and testis. GBGT1 utilizes manganese as a cofactor, and assists in the addition of N-acetylgalactosamine (GalNAc) in alpha-1,3-linkage to various substrates, resulting in the formation of glycolipids. Glycolipids are present in most eukaryotic cells and may assist in the adherence of certain pathogens. Existing as two alternatively spliced isoforms, the gene encoding GBGT1 maps to human chromosome 9q34.2 and mouse chromosome 2 A3.

Gene ID: 26301

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