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Datasheet for ABIN2170470

anti-B3GALNT1 antibody (AA 231-331) (Alexa Fluor 647)

Overview

Quantity:	100 µL
Target:	B3GALNT1
Binding Specificity:	AA 231-331
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This B3GALNT1 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 B3GALNT1
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Dog, Cow, Pig, Horse, Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	B3GALNT1
Alternative Name:	B3GALNT1 (B3GALNT1 Products)
Background:	Synonyms: 3-galactosyltransferase 3, 3-GalNAc-T1, 3-GalTase 3, 3-N-

Target Details

acetylgalactosaminyltransferase 1, 3-N-acetylgalactosaminyltransferase, b3Gal T3, b3Gal-T3, B3galnt1, B3GALT3, B3GL1_HUMAN, Beta 1,3 galactosyltransferase 3, Beta 1,3 GalTase 3, beta 1,3 N acetylgalactosaminyltransferase 1 globoside blood group, Beta 3 GalNAc T1, Beta 3 Gx T3, Beta-1, Beta-3-Gx-T3, beta3Gal T3, Beta3Gal-T3, Beta3GalT3, brainiac1, Galactosylgalactosylglucosylceramide beta D acetyl galactosaminyltransferase, Galactosylgalactosylglucosylceramide beta-D-acetyl-galactosaminyltransferase, galT3, Gb4Cer, GLCT3, GLOB, Globoside synthase, globotriaosylceramide 3 beta N acetylgalactosaminyltransferase, P antibody P antigen synthase, P blood group globoside, P1 antibody UDP Gal:betaGlcNAc beta 1,3 galactosyltransferase 1, UDP Gal:betaGlcNAc beta 1,3 galactosyltransferase, polypeptide 3 Globoside blood group, UDP GalNAc:beta 1,3 N acetylgalactosaminyltransferase 1, UDP GalNAc:betaGlcNAc beta 1,3 galactosaminyltransferase, polypeptide 1 Globoside blood group, UDP N acetylgalactosamine:globotriaosylceramide beta 1,3 N acetylgalactosaminyltransferase, UDP-GalNAc:beta-1, UDP-N-acetylgalactosamine:globotriaosylceramide beta-1

Background: This gene is a member of the beta-1,3-galactosyltransferase (beta3GalT) gene family. This family encodes type II membrane-bound glycoproteins with diverse enzymatic functions using different donor substrates (UDP-galactose and UDP-N-acetylglucosamine) and different acceptor sugars (N-acetylglucosamine, galactose, N-acetylgalactosamine). The beta3GalT genes are distantly related to the Drosophila Brainiac gene and have the protein coding sequence contained in a single exon. The beta3GalT proteins also contain conserved sequences not found in the beta4GalT or alpha3GalT proteins. The carbohydrate chains synthesized by these enzymes are designated as type 1, whereas beta4GalT enzymes synthesize type 2 carbohydrate chains. The ratio of type 1:type 2 chains changes during embryogenesis. By sequence similarity, the beta3GalT genes fall into at least two groups: beta3GalT4 and 4 other beta3GalT genes (beta3GalT1-3, beta3GalT5). The encoded protein of this gene does not use N-acetylglucosamine as an acceptor sugar at all. Multiple transcript variants that are alternatively spliced in the 5' UTR have been described, they all encode the same protein.

Gene ID: 8706

UniProt: [O75752](#)

Application Details

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

Application Details

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