

Datasheet for ABIN7539837
anti-B3GALT4 antibody (AA 191-359)



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Overview

Quantity:	100 µL
Target:	B3GALT4
Binding Specificity:	AA 191-359
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This B3GALT4 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Purpose:	B3GALT4 Antibody
Immunogen:	Purified recombinant fragment of human B3GALT4 (AA: 191-359) expressed in E. Coli.
Clone:	5F12B8
Isotype:	IgG2a
Purification:	Purified antibody

Target Details

Target:	B3GALT4
Alternative Name:	B3GALT4 (B3GALT4 Products)
Background:	Description: This gene is a member of the beta-1,3-galactosyltransferase (beta3GalT) gene

Target Details

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). This gene is oriented telomere to centromere in close proximity to the ribosomal protein S18 gene. The functionality of the encoded protein is limited to ganglioseries glycolipid biosynthesis.

Aliases: GALT2, GALT4, BETA3GALT4

Molecular Weight: 41.5 kDa

Gene ID: 8705

UniProt: [O96024](#)

Application Details

Application Notes: ELISA: 1/10000
FCM: 1/200 - 1/400

Restrictions: For Research Use only

Handling

Buffer: Purified antibody in PBS with 0.05 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.