BT LAB
Bioassay Technology Laboratory
Optimize Your Research

Beta-1,3-Gal-T2 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP09780
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human B3GALT2. AA range:373-422
Mol wt	49213
Species reactivity	Human, Mouse
Clonality	Polyclonal
Recommended application	IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	beta-1,3-Gal-T2 Antibody
Synonyms	B3GALT2; Beta-1; 3-galactosyltransferase 2; Beta-1,3-GalTase 2; Beta3Gal-T2; Beta3GalT2; UDP-galactose:2-acetamido-2-deoxy-D-glucose 3beta-galactosyltransferase 2

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

B3GALT2 (beta-1,3-galactosyltransferase 2) 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). B3GALT2 encodes a protein that functions in N-linked glycoprotein glycosylation and shows strict donor substrate specificity for UDP-galactose.

Recommended Dilution

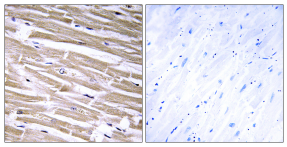
IHC: 1: 100 - 1: 300

IF: 1: 200 - 1: 1000

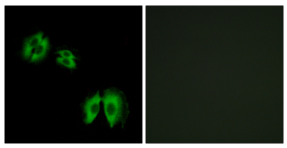
ELISA: 1: 40000

Not yet tested in other applications.

Images



Immunohistochemistry analysis of paraffin-embedded human heart tissue, using B3GALT2 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunofluorescence analysis of A549 cells, using B3GALT2 Antibody. The picture on the right is blocked with the synthesized peptide.

Storage

-20°C for one year

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