

DNAxPAb

Hard-to-Find
Antibody

B3GALT4 DNAxPab

Catalog # H00008705-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human B3GALT4 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MQLRLFRRLLLAALLLVIVWTLFGPSGLGEELLSLSLASLLPAPASPGPPLALPRLLIPNQEACSGP GAPPFLLILVCTAPENLNQRNAIRASWGGGLREARGLRVQTLFLLGEPNAQHPVWGSQGSDLASE SAAQGDILQAAFQDSYRNLTCLKTSLGNWAEKHCPMARYVLKTDDDVYVNPVELVSELVLRGGR WGQWERSTEPQREAEQEGGQVLHSEEVPLLYLGRVHWRVNPSTRTPGGRHRVSEEQWPHTWG PFPPYASGTGYVLSASAVQLILKVASRAPLLPLEDFVGVVSARRGGLAPTQCVKLAGATHYPLDR CCYGKFLTSHRLDPWKMQEAWKLVGGSDGERTAPFCSWFQGVLGILRCRAIAWLQS
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — B3GALT4

Entrez GeneID [8705](#)

GeneBank Accession# [NM_003782.3](#)

Protein Accession# [NP_003773.1](#)

Gene Name B3GALT4

Gene Alias DJ1033B10.3, Gal-T2, GalT4, beta3GALT4, beta3Gal-T4

Gene Description UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 4

Omim ID [603095](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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). 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. [provided by RefSeq]

Other Designations OTTHUMP00000029128|UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase 4|beta-3-galactosyltransferase 4

Pathway

- [Glycosphingolipid biosynthesis - ganglio series](#)
- [Metabolic pathways](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Lupus Erythematosus](#)