

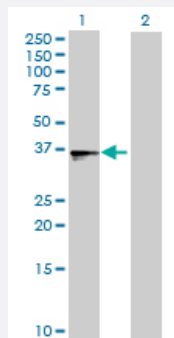
MaxPab®

B3GALT4 MaxPab mouse polyclonal antibody (B02)

Catalog # H00008705-B02

Size 50 uL

Applications



Western Blot (Transfected lysate)

Western Blot analysis of B3GALT4 expression in transfected 293T cell line ([H00008705-T01](#)) by B3GALT4 MaxPab polyclonal antibody.

Lane 1: B3GALT4 transfected lysate(41.58 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human B3GALT4 protein.
Immunogen	B3GALT4 (NP_003773, 1 a.a. ~ 378 a.a) full-length human protein.
Sequence	MQLRLFRRLLLAALLLVIVWTLFGPSGLGEELLSLSLASLLPAPASPGPPLALPRLLIPNQEACSGP GAPPFLLILVCTAPENLNQRNAIRASWGGGLREARGLRVQTLFLLGEPNAQHVPVWGSQGSDLASE SAAQGDILQAAFQDSYRNLTKTL SGLNWAEEKHCPMARYVLKTD DDVYVNVPELVSELVLRGGR WGQWERSTEPQREAEQEGGQVLHSEEVPLLYLGRVHWRVNP SRTPGGRHRVSEEQWPHTWG PFPPYASGTGYVLSASAVQLIKVASRAPLLPLEDVFGVVSARRGGLAPTQCVKLAGATHYPLDR CCYGKFLTSHRLDPWKMQEAWKLVGGSDGERTAPFCSWFQGV LGILRCRAIAWLQS
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (79); Rat (79)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Note

For IHC and IF applications, antibody purification with Protein A will be needed prior to use.

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[Protocol Download](#)

Gene Info — B3GALT4

Entrez GeneID [8705](#)

GeneBank Accession# [NM_003782](#)

Protein Accession# [NP_003773](#)

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](#)