

DNAxPAb

Hard-to-Find
Antibody

B4GALT4 DNAxPab

Catalog # H00008702-W01P Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human B4GALT4 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MGFNLT FHLSYKFRLLLLLTLCLTVVGWATSNYFVGAIQEIPKAKEFMANFHKTLILGKGKTLTNEAS TKKVELDNCPSVSPYLRGQSKLIFKPDLTLEEVQAENPKVSRGRYP EECKALQRVAILVPHRNR EKHLMYLL EHLHPFLQRQQLDYGIVIHQAEGKKFNRAKLLNVGYLEALKEENWDCFIHFDVDLVP ENDFNLYKCEEHPKHLVVGRNSTGYRSRYSGYFGGVTALSREQFFKVNGFSNNYWGWWGGEDDD LRLRVELQRMKISRPLPEVGKYTMVFHTRDKGNEVNAERMKLLHQVSRVWRTDGLSSCSYKLVS VEHNPLYINITVDFWFGA
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 — B4GALT4

Entrez GeneID	8702
GeneBank Accession#	BC004523
Protein Accession#	AAH04523.1
Gene Name	B4GALT4
Gene Alias	B4Gal-T4, beta4Gal-T4
Gene Description	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 4
Omim ID	604015
Gene Ontology	Hyperlink
Gene Summary	This gene is one of seven beta-1,4-galactosyltransferase (beta4GalT) genes. They encode type II membrane-bound glycoproteins that appear to have exclusive specificity for the donor substrate UDP-galactose; all transfer galactose in a beta1,4 linkage to similar acceptor sugars: GlcNAc, Glc, and Xyl. Each beta4GalT has a distinct function in the biosynthesis of different glycoconjugates and saccharide structures. As type II membrane proteins, they have an N-terminal hydrophobic signal sequence that directs the protein to the Golgi apparatus and which then remains uncleaved to function as a transmembrane anchor. By sequence similarity, the beta4GalTs form four groups: beta4GalT1 and beta4GalT2, beta4GalT3 and beta4GalT4, beta4GalT5 and beta4GalT6, and beta4GalT7. The enzyme encoded by this gene appears to mainly play a role in glycolipid biosynthesis. Two alternatively spliced transcript variants have been found for this gene. [provided by RefSeq]
Other Designations	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase 4 beta-N-acetylglucosaminyl-glycolipid beta-1,4-galactosyltransferase 4

Pathway

- [Glycosphingolipid biosynthesis - lacto and neolacto series](#)
- [Keratan sulfate biosynthesis](#)
- [Metabolic pathways](#)