

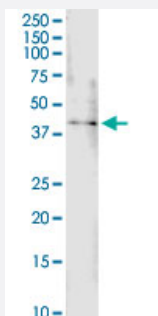
MaxPab®

B4GALT4 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00008702-D01P

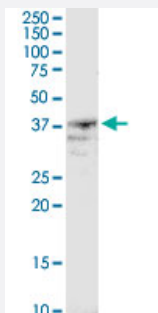
Size 100 ug

Applications



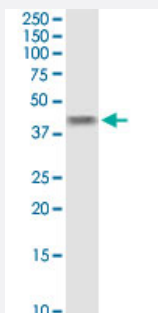
Western Blot (Tissue lysate)

B4GALT4 MaxPab rabbit polyclonal antibody. Western Blot analysis of B4GALT4 expression in human spleen.



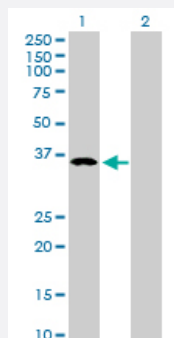
Western Blot (Tissue lysate)

B4GALT4 MaxPab rabbit polyclonal antibody. Western Blot analysis of B4GALT4 expression in mouse liver.



Western Blot (Cell lysate)

B4GALT4 MaxPab rabbit polyclonal antibody. Western Blot analysis of B4GALT4 expression in MCF-7.



Western Blot (Transfected lysate)

Western Blot analysis of B4GALT4 expression in transfected 293T cell line ([H00008702-T03](#)) by B4GALT4 MaxPab polyclonal antibody.

Lane 1: B4GALT4 transfected lysate(40.00 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human B4GALT4 protein.
Immunogen	B4GALT4 (AAH04523.1, 1 a.a. ~ 344 a.a) full-length human protein.
Sequence	MGFNLTFLHSYKFRLLLLLTLCLTVVGWATSNYFVGAIQEIPKAKEFMANFHKTLILGKGKTLTNEASTKKVELDNCPSVSPYLRGQSKLIFKPDLTLEEVQAENPKVSRGRYPREECKALQRVAILVPHRNERKHLMYLLEHLHPFLQRQQLDYGIYVHQAEKGKFNRAKLLNVGYLEALKEENWDCFIHVDVLDVPEENDFNLKCEEHPKHLVVGRNSTGYRLRYSGYFGGVTALSREQFFKVNGFSNNYWGWWGGEDDDLRLRVELQRMKISRPLPEVGKYTMVFHTRDKGNEVNAERMKLLHQVSRVWRTDGLSSCSYKLVSEHNPPLYINITVDFWFGA
Host	Rabbit
Reactivity	Human, Mouse
Interspecies Antigen Sequence	Mouse (84); Rat (85)
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 (Tissue lysate)

B4GALT4 MaxPab rabbit polyclonal antibody. Western Blot analysis of B4GALT4 expression in human spleen.

[Protocol Download](#)

- Western Blot (Tissue lysate)

B4GALT4 MaxPab rabbit polyclonal antibody. Western Blot analysis of B4GALT4 expression in mouse liver.

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- Western Blot (Cell lysate)

B4GALT4 MaxPab rabbit polyclonal antibody. Western Blot analysis of B4GALT4 expression in MCF-7.

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- Western Blot (Transfected lysate)

Western Blot analysis of B4GALT4 expression in transfected 293T cell line ([H00008702-T03](#)) by B4GALT4 MaxPab polyclonal antibody.

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Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — B4GALT4

Entrez GeneID [8702](#)

GeneBank Accession# [BC004523.2](#)

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](#)