

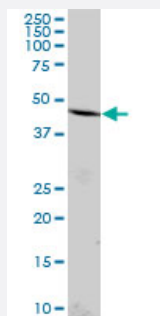
MaxPab®

B4GALT4 MaxPab mouse polyclonal antibody (B01)

Catalog # H00008702-B01

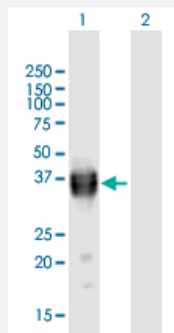
Size 50 uL

Applications



Western Blot (Tissue lysate)

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

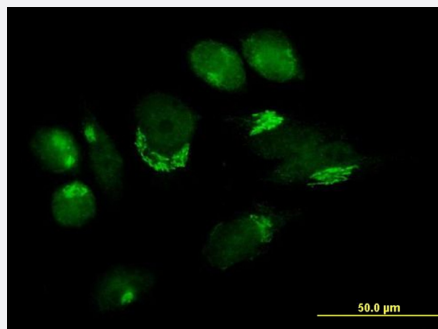


Western Blot (Transfected lysate)

Western Blot analysis of B4GALT4 expression in transfected 293T cell line ([H00008702-T01](#)) by B4GALT4 MaxPab polyclonal antibody.

Lane 1: B4GALT4 transfected lysate(37.84 KDa).

Lane 2: Non-transfected lysate.



Immunofluorescence

Immunofluorescence of purified MaxPab antibody to B4GALT4 on HeLa cell. [antibody concentration 10 ug/ml]

Specification

Product Description

Mouse 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	MGFNLTFLHSYKFRLLLLLTLCLTVVGWATSNYFVGAIQEIPKAKEFMANFHKTLILGKGKTLTNEASTKKVELDNCPSVSPYLRGQSKLIFKPDLTLEEVQAENPKVSRGRYPREECKALQRVAILVPHRNR EKHLMYLLLEHLHPFLQRQQLDYGIYVHQAEKGKFNRAKLLNVGYLEALKEENWDCFIHHDVLDLVP ENDFNLYKCEEHPKHLVVGRNSTGYRLRYSGYFGGVTALSREQFFKVNGFSNNYWGWWGGEDDD LRLRVELQRMKISRPLPEVGKYTMVFHTRDKGNEVNAERMKLLHQVSRVWRTDGLSSCSYKLVSV VEHNPLYINITVDFWFGA
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (84); Rat (85)
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.

Applications

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[Protocol Download](#)

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- Immunofluorescence

Immunofluorescence of purified MaxPab antibody to B4GALT4 on HeLa cell. [antibody concentration 10 ug/ml]

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	<p>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]</p>
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](#)