

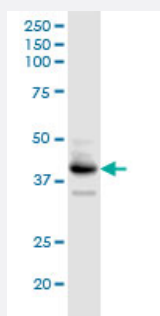
MaxPab®

B4GALT3 MaxPab rabbit polyclonal antibody (D01)

Catalog # H00008703-D01

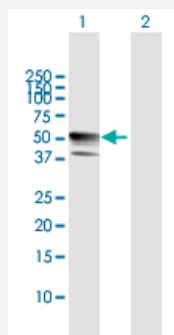
Size 100 uL

Applications



Western Blot (Tissue lysate)

B4GALT3 MaxPab rabbit polyclonal antibody. Western Blot analysis of B4GALT3 expression in human ovarian cancer.

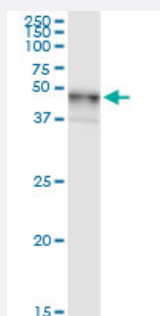


Western Blot (Transfected lysate)

Western Blot analysis of B4GALT3 expression in transfected 293T cell line ([H00008703-T01](#)) by B4GALT3 MaxPab polyclonal antibody.

Lane 1: B4GALT3 transfected lysate(43.90 KDa).

Lane 2: Non-transfected lysate.



Immunoprecipitation

Immunoprecipitation of B4GALT3 transfected lysate using anti-B4GALT3 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with B4GALT3 purified MaxPab mouse polyclonal antibody (B01P) ([H00008703-B01P](#)).

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human B4GALT3 protein.

Immunogen	B4GALT3 (NP_003770.1, 1 a.a. ~ 393 a.a) full-length human protein.
Sequence	MLRRLLERPCTLALLVGSQAVMMYLSLGGFRSLSALFGRDQGPTFDYSHPRDVYSNLSHLPGA PGGPPAPQGLPYCPERSPLLVGPSVSFSPVPSLAIEVERNPRVEPGGRYPAGCEPRSRTAIV PHRAREHHLRLLLYHLHPFLQRQQLAYGIYVIHQAGNGTFNRAKLLNVGVREALRDEEWDCLFLHD VDLLPENDHNLVCDPRGPRHVAVAMNKFYSLPYYPQYFGGVSALTPDQYLMNGFPNEYWGW GGEDDDIATRVRLAGMKISRPPTSVGHYKMKVHRGDKGNEENPHRFDLLVRTQNSWTQDGMNS LTYQLLARELGPLYTNITADIGTDPGRPRAPSGPRYPGSSQAQFRQEMLQRRPPARPGPLSTANHT ALRGSH
Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (96); Rat (96)
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.

Applications

- Western Blot (Tissue lysate)

B4GALT3 MaxPab rabbit polyclonal antibody. Western Blot analysis of B4GALT3 expression in human ovarian cancer.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of B4GALT3 expression in transfected 293T cell line ([H00008703-T01](#)) by B4GALT3 MaxPab polyclonal antibody.

Lane 1: B4GALT3 transfected lysate(43.90 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of B4GALT3 transfected lysate using anti-B4GALT3 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with B4GALT3 purified MaxPab mouse polyclonal antibody (B01P) ([H00008703-B01P](#)).

[Protocol Download](#)

Gene Info — B4GALT3

Entrez GeneID [8703](#)

GeneBank Accession# [NM_003779.2](#)

Protein Accession# [NP_003770.1](#)

Gene Name B4GALT3

Gene Alias beta4Gal-T3

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

Omim ID [604014](#)

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. This gene encodes an enzyme that may be mainly involved in the synthesis of the first N-acetylglucosamine unit of poly-N-acetylglucosamine chains. [provided by RefSeq]

Other Designations

OTTHUMP00000032247|OTTHUMP00000032248|UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase 3|UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 3|beta-N-acetylglucosaminyl-glycolipid beta-1,4-galactosyltransferase 3

Pathway

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