

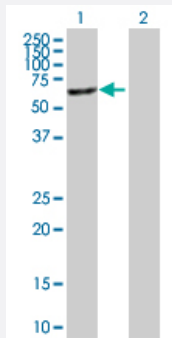
MaxPab®

MGAT4B purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00011282-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of MGAT4B expression in transfected 293T cell line ([H00011282-T01](#)) by MGAT4B MaxPab polyclonal antibody.

Lane 1: MGAT4B transfected lysate(61.93 kDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human MGAT4B protein.
Immunogen	MGAT4B (NP_463459.1, 1 a.a. ~ 563 a.a) full-length human protein.
Sequence	MSRVAGTRTDVNELLQRWTPRCVRWHTGGARRVALDRPLVTACLPPAGDVVDVYQREFLALRD RLHAAEQESLKRSEKLNVLDEIKRAVSEKALRDGDGNRTWGRLTEDPRLKPWNGSHRHLHL PTVFHHLPHLLAKESSLQPAVRVGQGRGVSVMGIPSVRREVHSLYTDLHSLISELSPQEKED SVIVLIAETDSQYTSAVTENIKALFPTEIHSGLLEVISPSPHFYPDFSRLRESFGDPKERVWRWKQ NLDYCFLLMYAQSKGIYVQLEDDIVAKPNYLSTMKNFALQQPSEDWMILEFSQLGFIGKMFKSLD LSLVEFILMFYRDKPIDWLLDHILWVKVCNPEKDAKHCDRQKANLRIRFKPSLFGHVGTSSLAGK IQKLKDKDFGKQALRKEHVNPPAEVSTSLKTYQHFTLEKAYLREDDFFWAFTPAAGDFIRFRFFQPL RLERFFFRSGNIEHPEDKLFNTSVEVLPFDNPQSDKEALQEGRTATLRYPRSPDGYLQIGSFYKGV AEGVDPAPFGPLEALRLSIQTDSPVWVILSEIFLKKAD
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (98); Rat (98)
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.

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[Protocol Download](#)

Gene Info — MGAT4B

Entrez GeneID

[11282](#)

GeneBank Accession#

[NM_054013](#)

Protein Accession#

[NP_463459.1](#)

Gene Name

MGAT4B

Gene Alias

GNT-IV, GNT-IVB

Gene Description

mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isozyme B

Omim ID

[604561](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene encodes a key glycosyltransferase that regulates the formation of tri- and multiantennary branching structures in the Golgi apparatus. The encoded protein, in addition to the related isozyme A, catalyzes the transfer of N-acetylglucosamine (GlcNAc) from UDP-GlcNAc in a beta-1,4 linkage to the Man-alpha-1,3-Man-beta-1,4-GlcNAc arm of R-Man-alpha-1,6(GlcNAc-beta-1,2-Man-alpha-1,3)Man-beta-1,4-GlcNAc-beta-1,4-GlcNAc-beta-1-Asn. The encoded protein may play a role in regulating the availability of serum glycoproteins, oncogenesis, and differentiation. [provided by RefSeq]

Other Designations

UDP-N-acetylglucosamine: alpha-1,3-D-mannoside beta-1,4-N-acetylglucosaminyltransferase IV|alpha-1,3-mannosyl-glycoprotein beta-1,4-N-acetylglucosaminyltransferase|aminyltransferase|mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase

Publication Reference

- [Type 2 Diabetes Biomarkers and Uses Thereof.](#)

Eustache Paramithiotis, Marc Prentki, R  mi Rabasa-Ihoret, Pascal Croteau, Joel Lanoix, Murthy S. R. Madiraju,   rik Joly
United States Patent Application Publication 2015 Nov; [Epub].

Application: IF, WB, Human, Mouse, Rat, Islets, INS832/13, MIN6 cells

Pathway

- [Metabolic pathways](#)
- [N-Glycan biosynthesis](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)