

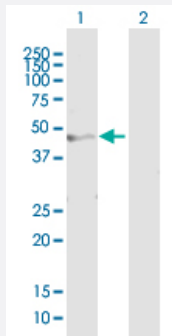
MaxPab®

MGAT1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00004245-B01P

Size 50 ug

Applications

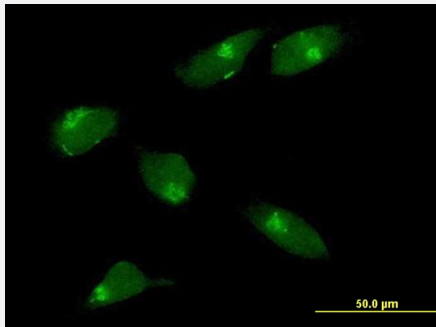


Western Blot (Transfected lysate)

Western Blot analysis of MGAT1 expression in transfected 293T cell line ([H00004245-T01](#)) by MGAT1 MaxPab polyclonal antibody.

Lane 1: MGAT1 transfected lysate(48.95 KDa).

Lane 2: Non-transfected lysate.



Immunofluorescence

Immunofluorescence of purified MaxPab antibody to MGAT1 on HeLa cell. [antibody concentration 10 ug/ml]

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human MGAT1 protein.

Immunogen

MGAT1 (NP_002397.1, 1 a.a. ~ 445 a.a) full-length human protein.

Sequence

MLKKQSAGLVLVGAILFVAWNALLLFFWTRPAPGRPPSVSALDGD PASL TREVIRLAQDAEVEL
ERQRGLLQQIGDALSSQRGRVPTAAPPAQPRVPVTPAPAVIPILVIACDRSTVRRCLDKLLHYRPS
AELFPIIVSQDCGHEETAQAIASYGS AVTHIRQPD LSSIAVPPDHRKFQGYK IARHYRWALGQVFR
QFRFPAAVVVEDDLEVAPDFF EYFRATY PLLKADPSLWCVSAWNDNGKEQMVDASRPELLYRT
DFFPGLGWLLLAELWAELEPKWPKAFWDDWMRRPEQRQGRACIRPEISRTMTFGRKGVSHGQ
FFDQHLKFIKLNQQFVHFTQLDLSYLQREAYDRDFLARVYGAPQLQVEKVRTNDRKELGEVRVQY
TGRDSFKAFKALGVMDDLKSGVPRAGYRGIVTFQFRGRRVHLAPPPTWEGYDPSWN

Host	Mouse
Reactivity	Human
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](#)

- Immunofluorescence

Immunofluorescence of purified MaxPab antibody to MGAT1 on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — MGAT1

Entrez GeneID	4245
GeneBank Accession#	NM_002406.2
Protein Accession#	NP_002397.1
Gene Name	MGAT1
Gene Alias	GLCNAC-TI, GLCT1, GLYT1, GNT-1, GNT-I, MGAT
Gene Description	mannosyl (alpha-1,3-)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase
Omim ID	160995
Gene Ontology	Hyperlink

Gene Summary

There are believed to be over 100 different glycosyltransferases involved in the synthesis of protein-bound and lipid-bound oligosaccharides. UDP-N-acetylglucosamine:alpha-3-D-mannoside beta-1,2-N-acetylglucosaminyltransferase I is a medial-Golgi enzyme essential for the synthesis of hybrid and complex N-glycans. The protein, encoded by a single exon, shows typical features of a type II transmembrane protein. The protein is believed to be essential for normal embryogenesis. Several variants encoding the same protein have been found for this gene. [provided by RefSeq]

Other Designations

N-glycosyl-oligosaccharide-glycoprotein N-acetylglucosaminyltransferase|OTTHUMP00000161546

Pathway

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

Disease

- [Amphetamine-Related Disorders](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [Obesity](#)
- [Psychoses](#)