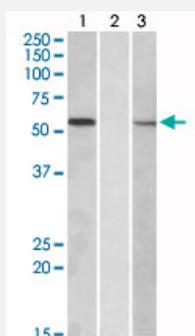


# MGAT1 polyclonal antibody

Catalog # PAB18956      Size 100 ug

## Applications



### Western Blot (Transfected lysate)

HEK293 lysate (10 ug protein in RIPA buffer) overexpressing human MGAT1 with C-terminal MYC tag probed with MGAT1 polyclonal antibody (Cat # PAB18956, 1 ug/mL) in Lane A and probed with anti-MYC Tag (1/1000) in lane C. Mock-transfected HEK293 probed with MGAT1 polyclonal antibody (Cat # PAB18956, 1 mg/mL) in Lane B. Primary incubations were for 1 hour. Detected by chemiluminescence.

## Specification

<b>Product Description</b>	Goat polyclonal antibody raised against synthetic peptide of MGAT1.
<b>Immunogen</b>	A synthetic peptide corresponding to amino acids at internal region of human MGAT1.
<b>Sequence</b>	C-QVEKVRTNDR
<b>Host</b>	Goat
<b>Theoretical MW (kDa)</b>	55
<b>Reactivity</b>	Human
<b>Specificity</b>	Reported variants represent identical protein: NP_002397.2, NP_001108090.1, NP_001108091.1, NP_001108092.1, NP_001108089.1.
<b>Form</b>	Liquid
<b>Purification</b>	Antigen affinity purification
<b>Concentration</b>	0.5 mg/mL

<b>Recommend Usage</b>	ELISA (1:8000) Western Blot (0.2-1 ug/mL) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In 0.5 mg/mL in Tris saline, pH7.3 (0.5% BSA, 0.02% sodium azide)
<b>Storage Instruction</b>	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Transfected lysate)

HEK293 lysate (10 ug protein in RIPA buffer) overexpressing human MGAT1 with C-terminal MYC tag probed with MGAT1 polyclonal antibody (Cat # PAB18956, 1 ug/mL) in Lane A and probed with anti-MYC Tag (1/1000) in lane C. Mock-transfected HEK293 probed with MGAT1 polyclonal antibody (Cat # PAB18956, 1 mg/mL) in Lane B. Primary incubations were for 1 hour. Detected by chemiluminescence.

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — MGAT1

<b>Entrez GeneID</b>	<a href="#">4245</a>
<b>Protein Accession#</b>	<a href="#">NP_002397.2</a>
<b>Gene Name</b>	MGAT1
<b>Gene Alias</b>	GLCNAC-TI, GLCT1, GLYT1, GNT-1, GNT-I, MGAT
<b>Gene Description</b>	mannosyl (alpha-1,3-)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase
<b>Omim ID</b>	<a href="#">160995</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>
<b>Gene Summary</b>	<p>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]</p>

**Other Designations**

N-glycosyl-oligosaccharide-glycoprotein N-acetylglucosaminyltransferase|OTTHUMP000001615  
46

## 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

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