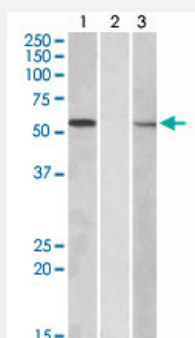


MGAT1 polyclonal antibody

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

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

Recommend Usage	ELISA (1:8000) Western Blot (0.2-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 0.5 mg/mL in Tris saline, pH7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	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

Entrez GeneID	4245
Protein Accession#	NP_002397.2
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|OTTHUMP000001615
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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](#)