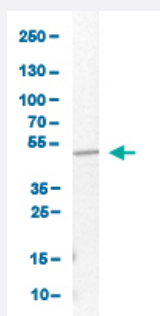


MGAT1 polyclonal antibody

Catalog # PAB31487

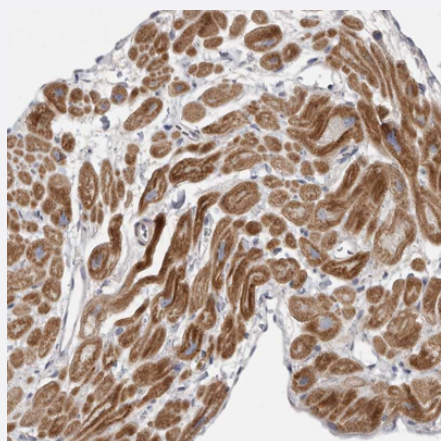
Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of human cell line SK-MEL-30.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human heart muscle shows strong cytoplasmic positivity in myocytes.

Specification

Product Description

Rabbit polyclonal antibody raised against partial recombinant human MGAT1.

Immunogen

Recombinant protein corresponding to amino acids 104-251 of human MGAT1.

Sequence

AVIPILVIACDRSTVRRCLDKLLHYRPSAELFPIIVSQDCGHEETAQAIASYGS AVTHIRQPD LSSIAV
PPDHRKFQGYK IARHYRWALGQVFRQFRFPAAVVVEDDLE VAPDFFEYFRATYPLLKADPSLW
CVSAWNDNGKEQMVD

Host

Rabbit

Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:20-1:50) Western Blot (1:100-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C for short term storage. For long term storage 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 (Cell lysate)

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Gene Info — MGAT1

Entrez GeneID	4245
Protein Accession#	P26572
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](#)