

MGAT1 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16934c

Specification

MGAT1 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	P26572
Other Accession	Q09325 , P27115 , P27808 , NP_001108089.1 , NP_001108090.1
Reactivity	Human
Predicted	Mouse, Rabbit, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	159-187

MGAT1 Antibody (Center) - Additional Information

Gene ID 4245

Other Names

Alpha-1, 3-mannosyl-glycoprotein 2-beta-N-acetylglucosaminyltransferase,
N-glycosyl-oligosaccharide-glycoprotein N-acetylglucosaminyltransferase I, GNT-I, GlcNAc-T I,
MGAT1, GGNT1, GLCT1, GLYT1, MGAT

Target/Specificity

This MGAT1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 159-187 amino acids from the Central region of human MGAT1.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

MGAT1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

MGAT1 Antibody (Center) - Protein Information

Name MGAT1

Synonyms GGNT1, GLCT1, GLYT1, MGAT

Function Initiates complex N-linked carbohydrate formation. Essential for the conversion of high-mannose to hybrid and complex N-glycans.

Cellular Location

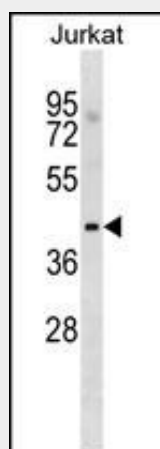
Golgi apparatus membrane; Single-pass type II membrane protein. Cytoplasm, perinuclear region. Note=Co-localizes with BRI3 isoform 1 at the perinuclear region.

MGAT1 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MGAT1 Antibody (Center) - Images



MGAT1 Antibody (Center) (Cat. #AP16934c) western blot analysis in Jurkat cell line lysates (35ug/lane). This demonstrates the MGAT1 antibody detected the MGAT1 protein (arrow).

MGAT1 Antibody (Center) - Background

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.

MGAT1 Antibody (Center) - References

Henquet, M., et al. Transgenic Res. 19(4):535-547(2010)
Johansson, A., et al. Obesity (Silver Spring) 18(4):803-808(2010)
Bousman, C.A., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 150B (8), 1025-1049 (2009) :
Lowe, J.K., et al. PLoS Genet. 5 (2), E1000365 (2009) :
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