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MGAT1 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP2406b

Specification

MGAT1 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession	P26572
Other Accession	NP_002397

MGAT1 Antibody (C-term) Blocking Peptide - 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
The synthetic peptide sequence used to generate the antibody AP2406b was selected from the C-term region of human MGAT1 . A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

MGAT1 Antibody (C-term) Blocking Peptide - 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.

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MGAT1 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

MGAT1 Antibody (C-term) Blocking Peptide - Images

MGAT1 Antibody (C-term) Blocking Peptide - Background

There are believed to be over 100 different glycosyltransferases involved in the synthesis of protein-bound and lipid-bound oligosaccharides. MGAT1 (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.

MGAT1 Antibody (C-term) Blocking Peptide - References

Tan, J., et al., Eur. J. Biochem. 231(2):317-328 (1995).Kumar, R., et al., Glycobiology 2(4):383-393 (1992).Hull, E., et al., Biochem. Biophys. Res. Commun. 176(2):608-615 (1991).Kumar, R., et al., Proc. Natl. Acad. Sci. U.S.A. 87(24):9948-9952 (1990).Yip, B., et al., Biochem. J. 321 (Pt 2), 465-474 (1997).