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MOGT1 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP11317b

Specification

MOGT1 Antibody (C-term) Blocking peptide - Product Information

Primary Accession Q96PD6

MOGT1 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 116255

Other Names
2-acylglycerol O-acyltransferase 1, Acyl-CoA:monoacylglycerol acyltransferase 1, MGAT1, Diacylglycerol O-acyltransferase candidate 2, hDC2, Diacylglycerol acyltransferase 2-like protein 1, Monoacylglycerol O-acyltransferase 1, MOGAT1, DC2, DGAT2L1

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.

MOGT1 Antibody (C-term) Blocking peptide - Protein Information

Name MOGAT1 (HGNC:18210)

Synonyms DC2, DGAT2L1

Function
Involved in glycerolipid synthesis and lipid metabolism. Catalyzes the formation of diacylglycerol, the precursor of triacylglycerol, by transferring the acyl chain of a fatty acyl-CoA to a monoacylglycerol, mainly at the sn-1 or sn-3 positions. It uses both sn-2-monoacylglycerol (2-acylglycerol) and sn-1-monoacylglycerol (1- acyl-sn-glycerol) equally well as substrates, and uses sn-3- monoacylglycerol (3-acyl-sn-glycerol) with lower efficiency. Probably not involved in absorption of dietary fat in the small intestine.

Cellular Location
Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q91ZV4}; Multi-pass membrane protein {ECO:0000250|UniProtKB:Q91ZV4}

Tissue Location
Expressed in stomach and liver.

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MOGT1 Antibody (C-term) Blocking peptide - Protocols

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

- Blocking Peptides

MOGT1 Antibody (C-term) Blocking peptide - Images

MOGT1 Antibody (C-term) Blocking peptide - Background

Acyl-CoA:monoacylglycerol acyltransferase (MOGAT; EC2.3.1.22) catalyzes the synthesis of diacylglycerols, the precursorof physiologically important lipids such as triacylglycerol andphospholipids (Yen et al., 2002 [PubMed 12077311]).[supplied byOMIM].

MOGT1 Antibody (C-term) Blocking peptide - References

Hillier, L.W., et al. Nature 434(7034):724-731(2005)Winter, A., et al. Cytogenet. Genome Res. 102 (1-4), 42-47 (2003) :Yen, C.L., et al. Proc. Natl. Acad. Sci. U.S.A. 99(13):8512-8517(2002)Cases, S., et al. J. Biol. Chem. 276(42):38870-38876(2001)