

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

MOGT1 Antibody (C-term) Blocking peptide - Product InformationPrimary 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.

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 precursor of physiologically important lipids such as triacylglycerol and phospholipids (Yen et al., 2002 [PubMed 12077311]). [supplied by OMIM].

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)