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MOGAT2 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56801

Specification

MOGAT2 Polyclonal Antibody - Product Information

Application	**IHC-P, IHC-F, IF, ICC, E**
Primary Accession	Q3SYC2
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**38196**

MOGAT2 Polyclonal Antibody - Additional Information

Gene ID 80168

Other Names
2-acylglycerol O-acyltransferase 2, 2.3.1.22, Acyl-CoA:monoacylglycerol acyltransferase 2, MGAT2, hMGAT2, Diacylglycerol O-acyltransferase candidate 5, hDC5, Diacylglycerol acyltransferase 2-like protein 5, Monoacylglycerol O-acyltransferase 2, MOGAT2 (HGNC:23248), DC5, DGAT2L5

Format
0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage
Store at -20 ℃ for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ℃.

MOGAT2 Polyclonal Antibody - Protein Information

Name MOGAT2 (HGNC:23248)

Synonyms DC5, DGAT2L5

Function
Involved in glycerolipid synthesis and lipid metabolism (PubMed:12621063, PubMed:18768481, PubMed:27184406, PubMed:28420705). Catalyzes the formation of diacylglycerol, the precursor of triacylglycerol, by transferring the acyl chain of a fatty acyl-CoA to a monoacylglycerol (PubMed:12621063, PubMed:27184406). Plays a central role in absorption of dietary fat in the small intestine by catalyzing the resynthesis of triacylglycerol in enterocytes (By similarity). Has a preference toward monoacylglycerols

containing unsaturated fatty acids in an order of C18:3 > C18:2 > C18:1 > C18:0 at sn-2 (PubMed:12621063). Able to use 1-monoalkylglycerol (1-MAkG, 1-O- alkylglycerol) as an acyl acceptor for the synthesis of monoalkyl- monoacylglycerol (MAMAG, 1-O-alkyl-3-acylglycerol or 1-O-alkyl-2- acylglycerol) and subsequently, with lower efficiency, may add another acyl chain producing monoalkyl-diacylglycerol (MADAG, 1-O-alkyl-2,3- diacylglycerol) (PubMed:28420705). Possesses weak but significant activity with diacylglycerol as substrate, producing triacylglycerol (triacyl-sn-glycerol) (PubMed:18768481).

Cellular Location
Endoplasmic reticulum membrane; Multi-pass membrane protein. Cytoplasm, perinuclear region

Tissue Location
Highly expressed in liver, small intestine, colon, stomach and kidney.

MOGAT2 Polyclonal Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MOGAT2 Polyclonal Antibody - Images