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MOGAT3 Antibody (monoclonal) (M05)

Mouse monoclonal antibody raised against a partial recombinant MOGAT3.
Catalog # AT2886a

Product Information

Application	WB, IF
Primary Accession	Q86VF5
Other Accession	NM_178176
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	3F7
Calculated MW	38730

Additional Information

Gene ID	346606
Other Names	2-acylglycerol O-acyltransferase 3, Acyl-CoA:monoacylglycerol acyltransferase 3, MGAT3, Diacylglycerol O-acyltransferase candidate 7, hDC7, Diacylglycerol acyltransferase 2-like protein 7, Monoacylglycerol O-acyltransferase 3, MOGAT3, DC7, DGAT2L7
Target/Specificity	MOGAT3 (NP_835470, 59 a.a. ~ 107 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IF~~1:50~200
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	MOGAT3 Antibody (monoclonal) (M05) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

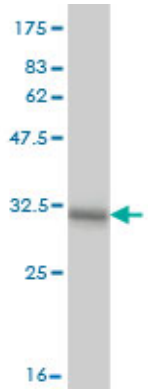
Acyl-CoA:monoacylglycerol acyltransferase (MOGAT; EC 2.3.1.22) catalyzes the synthesis of diacylglycerol from 2-monoacylglycerol and fatty acyl-CoA (Cheng et al., 2003 [PubMed 12618427]).

References

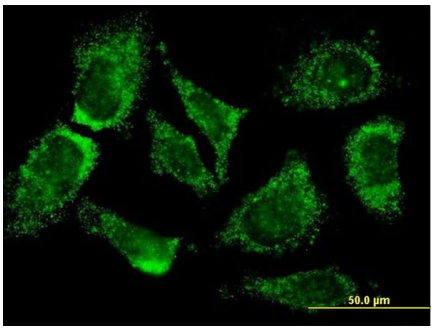
The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.Genomic organization of the

DGAT2/MOGAT gene family in cattle (Bos taurus) and other mammals. Winter A, et al. Cytogenet Genome Res, 2003. PMID 14970677.The secreted protein discovery initiative (SPDI), a large-scale effort to identify novel human secreted and transmembrane proteins: a bioinformatics assessment. Clark HF, et al. Genome Res, 2003 Oct. PMID 12975309.The DNA sequence of human chromosome 7. Hillier LW, et al. Nature, 2003 Jul 10. PMID 12853948.Identification of acyl coenzyme A:monoacylglycerol acyltransferase 3, an intestinal specific enzyme implicated in dietary fat absorption. Cheng D, et al. J Biol Chem, 2003 Apr 18. PMID 12618427.

Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (31.13 KDa) .



Immunofluorescence of monoclonal antibody to MOGAT3 on HeLa cell . [antibody concentration 10 ug/ml]