

MOGAT3 Antibody (monoclonal) (M05)

Mouse monoclonal antibody raised against a partial recombinant MOGAT3.

Catalog # AT2886a

Specification

MOGAT3 Antibody (monoclonal) (M05) - Product Information

Application	IF, WB
Primary Accession	Q86VF5
Other Accession	NM_178176
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	38730

MOGAT3 Antibody (monoclonal) (M05) - 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

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.

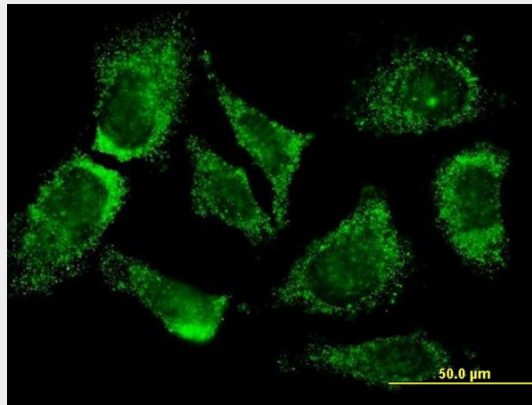
MOGAT3 Antibody (monoclonal) (M05) - Protocols

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

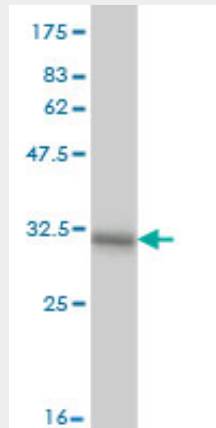
- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MOGAT3 Antibody (monoclonal) (M05) - Images



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



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

MOGAT3 Antibody (monoclonal) (M05) - 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]).

MOGAT3 Antibody (monoclonal) (M05) - 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.