

Rabbit anti-Human MOGT1 Polyclonal Antibody | anti-MOGAT1 antibody

MOGT1 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290101	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

MOGT1; Polyclonal Antibody; MOGT1 Antibody (C-term); 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; anti-MOGAT1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MOGT1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 303-335 amino acids from the C-terminal region of human MOGT1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.25 (varies by lot)
Sequence Positions	303-335
Sequence Length	335
Applicable Applications for anti-MOGAT1 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

MOGT1 Antibody (C-term) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)

MOGT1 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of MOGT1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

MOGT1 Antibody (C-term) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the MOGT1 antibody detected the MOGT1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-MOGAT1 antibody	Acyl-CoA:monoacylglycerol acyltransferase (MOGAT; EC 2.3.1.22) 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].
Product Categories/Family for anti-MOGAT1 antibody	Signal Transduction
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	148746191
NCBI GeneID	116255
NCBI Accession #	NP_477513.2
NCBI GenBank Nucleotide #	NM_058165.2
UniProt Accession #	Q96PD6; Q6IEE5
Molecular Weight	38812
NCBI Official Full Name	2-acylglycerol O-acyltransferase 1
NCBI Official Synonym Full Names	monoacylglycerol O-acyltransferase 1
NCBI Official Symbol	MOGAT1
NCBI Official Synonym Symbols	MGAT1; DGAT2L; DGAT2L1
NCBI Protein Information	2-acylglycerol O-acyltransferase 1
UniProt Protein Name	2-acylglycerol O-acyltransferase 1
UniProt Gene Name	MOGAT1
UniProt Synonym Gene Names	DC2; DGAT2L1; MGAT1; hDC2
UniProt Entry Name	MOGT1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.