

Rabbit MOGAT2 Polyclonal Antibody | anti-MOGAT2 antibody

Anti-MOGAT2 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19953	Rabbit	Human, Mouse, Rat	ELISA, Immunofluorescence, Immunohistochemistry, Immunocytochemistry, Western Blot, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

MOGAT2; Polyclonal Antibody; Anti-MOGAT2 Antibody Picoband; interleukin 17B; Interleukin-17B; IL-17B; Cytokine CX1; Cytokine-like protein ZCYTO7; Neuronal interleukin-17-related factor; IL17b; Nirf; Zcyto7; anti-MOGAT2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Expressed in adult pancreas, small intestine, stomach, spinal cord and testis. Less pronounced expression in prostate, colon mucosal lining, and ovary.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-MOGAT2 antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), ICC (Immunocytochemistry), WB (Western Blot), FCM/FACS (Flow Cytometry)
Application Notes	WB: 0.25-0.5ug/ml, Human, Mouse, Rat IHC: 2-5ug/ml, Human ICC/IF: 5ug/ml, Human FC/FACS (Fixed): 1-3ug/1x10 ⁶ cells, Human ELISA: 0.1-0.5ug/ml
Immunogen	E coli-derived human MOGAT2 recombinant protein (Position: M1-C334).
Subcellular Localization	Secreted
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins.
Protein Function	Stimulates the release of tumor necrosis factor alpha and IL-1-beta from the monocytic cell line THP-1.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.

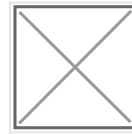


Figure 9. Flow Cytometry analysis of HepG2 cells using anti-MOGAT2 antibody (AAA19953). Overlay histogram showing HepG2 cells stained with AAA19953 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-MOGAT2 Antibody (AAA19953, 1 μ g/1x10⁶ cells) for 30 min at 20 degree C. Dylight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 μ g/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.

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Related Product Information for anti-MOGAT2 antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-MOGAT2 antibody	Primary Antibodies ; Cytokines ; Immunology ; Innate Immunity ; Interleukins
References	1. Cao, J., Burn, P., Shi, Y. Properties of the mouse intestinal acyl-CoA:monoacylglycerol acyltransferase, MGAT2. J. Biol. Chem. 278: 25657-25663, 2003. 2. Cao, J., Lockwood, J., Burn, P., Shi, Y. Cloning and functional characterization of a mouse intestinal acyl-CoA:monoacylglycerol acyltransferase, MGAT2. J. Biol. Chem. 278: 13860-13866, 2003. 3. Turkish, A. R., Henneberry, A. L., Cromley, D., Padamsee, M., Oelkers, P., Bazzi, H., Christiano, A. M., Billheimer, J. T., Sturley, S. L. Identification of two novel human acyl-CoA wax alcohol acyltransferases: members of the diacylglycerol acyltransferase 2 (DGAT2) gene superfamily. J. Biol. Chem. 280: 14755-14764, 2005.

NCBI GI # 37537527

NCBI GeneID	80168
NCBI Accession #	NP_079374.2
NCBI GenBank Nucleotide #	NM_025098.2
UniProt Accession #	Q3SYC2; Q3SYC1; Q6ZQZ2; Q86UH6; Q9H630; A8K7I3
Molecular Weight	32,298 Da
NCBI Official Full Name	2-acylglycerol O-acyltransferase 2
NCBI Official Synonym Full Names	monoacylglycerol O-acyltransferase 2
NCBI Official Symbol	MOGAT2
NCBI Official Synonym Symbols	MGAT2; DGAT2L5
NCBI Protein Information	2-acylglycerol O-acyltransferase 2; acyl CoA:monoacylglycerol acyltransferase 2; acyl-CoA:monoacylglycerol acyltransferase 2; diacylglycerol O-acyltransferase candidate 5; diacylglycerol acyltransferase 2-like protein 5; hDC5; hMGAT2
UniProt Protein Name	2-acylglycerol O-acyltransferase 2
UniProt Gene Name	MOGAT2
UniProt Synonym Gene Names	DC5; DGAT2L5; MGAT2; hMGAT2; hDC5

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.

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