

## DATASHEET

# MOGAT3 Rabbit Polyclonal Antibody

CAT. NO. APA17753

### KEY FEATURES

Target	MOGAT3	Source / Host	Rabbit
Reactivity	Human	Clonality	Polyclonal
Applications	WB, FC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

### BACKGROUND

Catalyzes the formation of diacylglycerol from 2-monoacylglycerol and fatty acyl-CoA. Also able to catalyze the terminal step in triacylglycerol synthesis by using diacylglycerol and fatty acyl-CoA as substrates. Has a preference toward palmitoyl-CoA and oleoyl-CoA. May be involved in absorption of dietary fat in the small intestine by catalyzing the resynthesis of triacylglycerol in enterocytes. Also able to use 1-monoalkylglycerol (1-MAkG) as an acyl acceptor for the synthesis of monoalkyl-monoacylglycerol (MAMAG) as an acyl acceptor for the synthesis of monoalkyl-monoacylglycerol (MAMAG).

### APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
FC	1:10 - 1:50

\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

### PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to MOGAT3
Specificity	Recognizes endogenous levels of MOGAT3 protein.
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the C-terminal region of human MOGAT3. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 38 kD; Observed: 43 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	DC7; DGAT2L7; 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
Gene Symbol	MOGAT3
Entrez Gene	346606(Human)
SwissProt	Q86VF5(Human)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

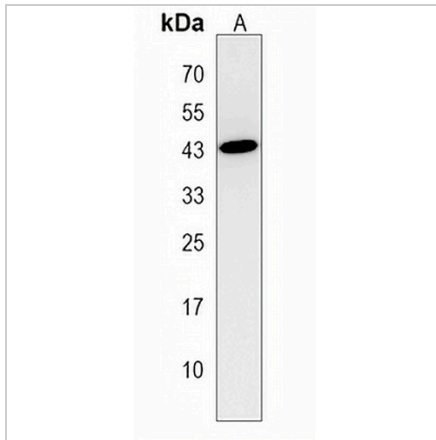
\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

**DATASHEET**

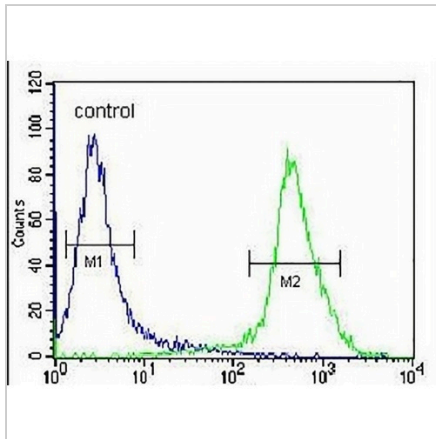
**MOGAT3 Rabbit Polyclonal Antibody**

CAT. NO. APA17753

**DATA**



Western blot analysis of MOGAT3 expression in Jurkat (A) whole cell lysates. (Predicted band size: 38 kD; Observed band size: 43 kD)



Flow cytometric analysis of Jurkat cells using Anti-MOGAT3 Antibody. The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody at 37 °C for 60 min. The secondary antibody Goat Anti-Rabbit IgG (H&L) - AREX® Fluor 488 was incubated at 37 °C for 40 min. Isotype control antibody (blue line) was used under the same condition.

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.