

For Research Use Only

MOGAT2 Polyclonal antibody

Catalog Number: 19514-1-AP

7 Publications



Basic Information

Catalog Number:

19514-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_025098

GeneID (NCBI):

80168

UNIPROT ID:

Q3SYC2

Full Name:

monoacylglycerol O-acyltransferase

2

Calculated MW:

38 kDa

Observed MW:

36-38 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

IP, WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, pig

Positive Controls:

WB: mouse small intestine tissue, HEK-293 cells, rat small intestine

IP: HEK-293 cells,

Background Information

MOGAT2, also named as DC5 and DGAT2L5, belongs to the diacylglycerol acyltransferase family. MOGAT2 catalyze the reaction: Acyl-CoA + 2-acylglycerol = CoA + diacylglycerol. MOGAT2 has a preference toward monoacylglycerols containing unsaturated fatty acids. MOGAT2 plays a central role in absorption of dietary fat in the small intestine by catalyzing the resynthesis of triacylglycerol in enterocytes. And it plays a role in diet-induced obesity. The antibody can recognize all these 3 isoform of MOGAT2.

Notable Publications

Author	Pubmed ID	Journal	Application
Fangjun Yu	34493722	Nat Commun	WB
Jianping Xu	36557202	Metabolites	WB
Meng Shi	33664495	Nat Cell Biol	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

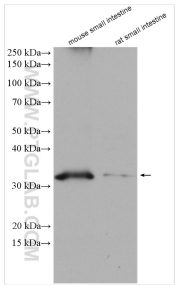
T: 4006900926

E: Proteintech-CN@ptglab.com

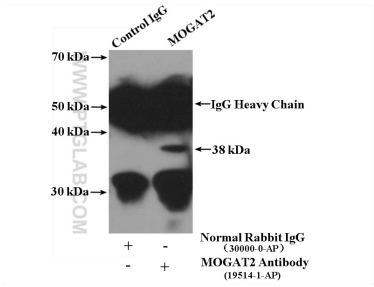
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 19514-1-AP (MOGAT2 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP result of anti-MOGAT2 (IP:19514-1-AP, 4ug; Detection:19514-1-AP 1:300) with HEK-293 cells lysate 4800ug.