

For Research Use Only

MOGAT2 Polyclonal antibody

Catalog Number: 19514-1-AP

11 Publications



Basic Information

Catalog Number:

19514-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 313 ug/ml by Bradford method using BSA as the standard;

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 ug for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

WB, IP, 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

*** 20ul sizes contain 0.1% BSA

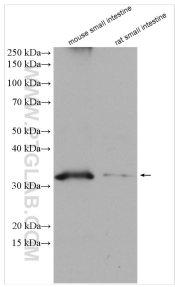
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

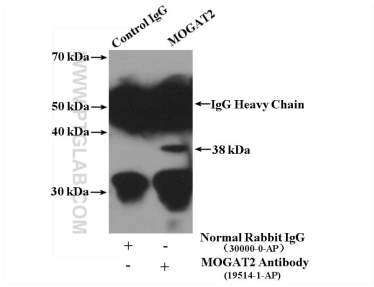
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.