

For Research Use Only

MOGAT2 Polyclonal antibody

Catalog Number: 19514-1-AP **7 Publications**



Basic Information

Catalog Number: 19514-1-AP	GenBank Accession Number: NM_025098	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop and 313 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 80168	Recommended Dilutions: WB 1:500-1:1000 IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
Source: Rabbit	Full Name: monoacylglycerol O-acyltransferase 2	
Isotype: IgG	Calculated MW: 38 kDa	
	Observed MW: 36-38 kDa	

Applications

Tested Applications: IP, WB, ELISA	Positive Controls:
Cited Applications: WB	WB : mouse small intestine tissue, HEK-293 cells, rat small intestine
Species Specificity: human, mouse, rat	IP : HEK-293 cells,
Cited Species: human, mouse, pig	

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

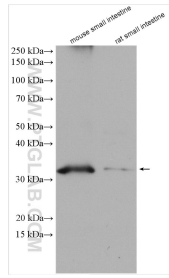
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

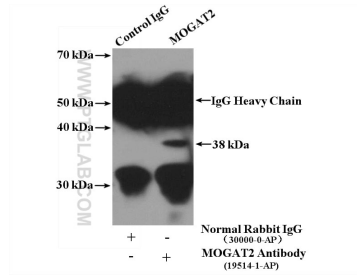
For technical support and original validation data for this product please contact:
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Selected Validation Data



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.