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MBOAT2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17786c

Product Information

Application	WB, E
Primary Accession	Q6ZWT7
Other Accession	NP_620154.2
Reactivity	Human
Predicted	Bovine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB32915
Calculated MW	59527
Antigen Region	198-227

Additional Information

Gene ID	129642
Other Names	Lysophospholipid acyltransferase 2, LPLAT 2, 231-, 1-acylglycerophosphate O-acyltransferase, 1-acylglycerophosphoethanolamine O-acyltransferase, 231n7, Lysophosphatidic acid acyltransferase, LPAAT, Lyso-PA acyltransferase, Lysophosphatidylethanolamine acyltransferase, LPEAT, Lyso-PE acyltransferase, Membrane-bound O-acyltransferase domain-containing protein 2, O-acyltransferase domain-containing protein 2, MBOAT2, OACT2
Target/Specificity	This MBOAT2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 198-227 amino acids from the Central region of human MBOAT2.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	MBOAT2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	MBOAT2 (HGNC:25193)
Function	Acyltransferase which catalyzes the transfer of an acyl group from an acyl-CoA to a lysophospholipid leading to the production of a phospholipid and participates in the reacylation step of the phospholipid remodeling pathway also known as the Lands cycle (PubMed:18772128). Catalyzes preferentially the acylation of lysophosphatidylethanolamine (1-acyl-sn-glycero-3-phosphoethanolamine or LPE) and lysophosphatidic acid (LPA) and to a lesser extend lysophosphatidylcholine (LPC) and lysophosphatidylserine (LPS) (PubMed:18772128). Prefers oleoyl-CoA as the acyl donor (PubMed:18772128). May be involved in chondrocyte differentiation (By similarity).
Cellular Location	Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q8R3I2}; Multi-pass membrane protein
Tissue Location	Expressed in neutrophils.

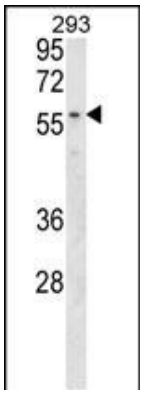
Background

Acyltransferase which mediates the conversion of lysophosphatidylethanolamine (1-acyl-sn-glycero-3-phosphoethanolamine or LPE) into phosphatidylethanolamine (1,2-diacyl-sn-glycero-3-phosphoethanolamine or PE) (LPEAT activity). Catalyzes also the acylation of lysophosphatidic acid (LPA) into phosphatidic acid (PA) (LPAAT activity). Has also a very weak lysophosphatidylcholine acyltransferase (LPCAT activity). Prefers oleoyl-CoA as the acyl donor. Lysophospholipid acyltransferases (LPLATs) catalyze the reacylation step of the phospholipid remodeling pathway also known as the Lands cycle.

References

Tamaki, H., et al. J. Biol. Chem. 282(47):34288-34298(2007)

Images



MBOAT2 Antibody (Center) (Cat. #AP17786c) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the MBOAT2 antibody detected the MBOAT2 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.