

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 Host Rabbit Clonality Polyclonal Isotype Rabbit IgG **Clone Names** RB32915 Calculated MW 59527 198-227 **Antigen Region**

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

Cellular Location

Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q8R3I2};

Multi-pass membrane protein

differentiation (By similarity).

Tissue Location

Expressed in neutrophils.

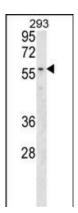
Background

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'.