

MBOAT2 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17786c

Specification

MBOAT2 Antibody (Center) - Product Information

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

MBOAT2 Antibody (Center) - 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.

MBOAT2 Antibody (Center) - 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

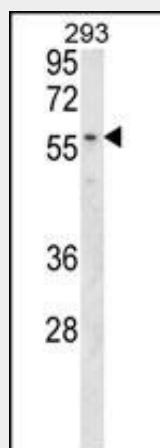
Expressed in neutrophils.

MBOAT2 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MBOAT2 Antibody (Center) - 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).

MBOAT2 Antibody (Center) - 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.

MBOAT2 Antibody (Center) - References

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