

MBOAT2 Rabbit pAb

Catalog # AP98003

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q6ZWT7
Other Accession	Q6ZWT7
Predicted	Rat, Human, Mouse, Rabbit, Chicken, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	59527
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human MBOAT2
Epitope Specificity	81-180/520
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the membrane-bound acyltransferase family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Additional Information

Gene ID	129642
Other Names	LPAAT; LPCAT; LPCAT4; LPEAT; LPLAT 2; LPLAT13; OACT2; 2810049G06Rik; Moact2; MBOA2_HUMAN; MBOAT2; 1-acylglycerophosphate O-acyltransferase MBOAT2; 1-acylglycerophosphocholine O-acyltransferase MBOAT2; 1-acylglycerophosphoethanolamine MBOAT2 O-acyltransferase; Lysophosphatidic acid acyltransferase (LPAAT Lyso-PA acyltransferase); Lysophosphatidylcholine acyltransferase (LPCAT Lyso-PC acyltransferase); Lysophosphatidylcholine acyltransferase 4 (Lyso-PC acyltransferase 4); Lysophosphatidylethanolamine acyltransferase (LPEAT Lyso-PE acyltransferase); Lysophospholipid acyltransferase 2 (LPLAT 2); Membrane-bound O-acyltransferase domain-containing protein 2 (O-acyltransferase domain-containing protein 2); 2.3.1.-; MBOA2_MOUSE; 1-acylglycerophosphocholine O-acyltransferase; 1-acylglycerophosphoethanolamine O-acyltransferase; Lysophosphatidylcholine acyltransferase 4 (Lyso-PC acyltransferase 4 mLPCAT4); MBOA2_RAT; 1-acylglycerophosphate O-acyltransferase; membrane bound glycerophospholipid O-acyltransferase 2; membrane bound O-acyltransferase domain containing 2; O-acyltransferase (membrane bound) domain containing 2; lysophospholipid acyltransferase 13; Lysophospholipid acyltransferase 2
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
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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.

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