

MBOAT1 Rabbit pAb

MBOAT1 Rabbit pAb

Catalog # AP57222

Product Information

Application	WB
Primary Accession	Q6ZNC8
Reactivity	Mouse
Predicted	Rat, Pig, Dog, Human, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	56557
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human MBOAT1
Epitope Specificity	151-250/495
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Membrane; Multi-pass membrane protein
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene belongs to the membrane-bound O-acetyltransferase superfamily. The encoded transmembrane protein is an enzyme that transfers organic compounds, preferably from oleoyl-CoA, to hydroxyl groups of protein targets in membranes. A translocation disrupting this gene may be associated with brachydactyly syndactyly syndrome. Alternately spliced transcript variants have been described for this gene. [provided by RefSeq, Nov 2012]

Additional Information

Gene ID	154141
Other Names	Membrane-bound glycerophospholipid O-acyltransferase 1 {ECO:0000312 HGNC:HGNC:21579}, 2.3.1.-, 1-acylglycerophosphocholine O-acyltransferase, 2.3.1.23, 1-acylglycerophosphoethanolamine O-acyltransferase, LPLAT 1, Membrane-bound O-acyltransferase domain-containing protein 1, O-acyltransferase domain-containing protein 1, MBOAT1 (HGNC:21579), OACT1
Dilution	WB=1:500-2000
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.

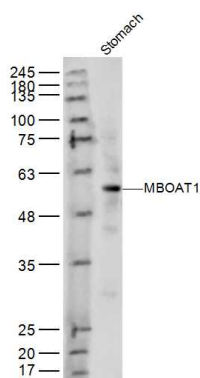
Protein Information

Name	MBOAT1 (HGNC:21579)
Synonyms	OACT1
Function	Acyltransferase which catalyzes the transfer of an acyl group from an acyl-CoA towards a lysophospholipid producing a phospholipid and participates in the reacylation step of the phospholipid remodeling pathway also known as the Lands cycle (PubMed: 18772128). Acts on lysophosphatidylserine (1-acyl-2-hydroxy-sn-glycero-3-phospho-L-serine or LPS) and lysophosphatidylethanolamine (1-acyl-sn-glycero-3-phosphoethanolamine or LPE), and to a lesser extend lysophosphatidylcholine (PubMed: 18772128). Prefers oleoyl-CoA as the acyl donor and 1-oleoyl-LPE as acceptor (PubMed: 18772128). May play a role in neurite outgrowth during neuronal differentiation (By similarity).
Cellular Location	Endoplasmic reticulum membrane {ECO:0000250 UniProtKB:Q8BH98}; Multi-pass membrane protein
Tissue Location	Expressed in neutrophils.

Background

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Images



Sample:
Stomach (Mouse) Lysate at 40 ug
Primary: Anti-MBOAT1 (AP57222) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 57 kD
Observed band size: 57 kD

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