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MBOA1 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP5605c

Specification

MBOA1 Antibody (Center) Blocking peptide - Product Information

Primary Accession	Q6ZNC8
Other Accession	NP_001073949.1

MBOA1 Antibody (Center) Blocking peptide - Additional Information

Gene ID 154141

Other Names
Lysophospholipid acyltransferase 1, LPLAT 1, 231-, 1-acylglycerophosphoserine O-acyltransferase, 231n6, Lysophosphatidylserine acyltransferase, LPSAT, Lyso-PS acyltransferase, Membrane-bound O-acyltransferase domain-containing protein 1, O-acyltransferase domain-containing protein 1, MBOAT1, OACT1

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

MBOA1 Antibody (Center) Blocking peptide - 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.

MBOA1 Antibody (Center) Blocking peptide - Protocols

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

- Blocking Peptides

MBOA1 Antibody (Center) Blocking peptide - Images

MBOA1 Antibody (Center) Blocking peptide - Background

MBOAT1 shares structural similarity with a superfamily ofmembrane-bound O-acetyltransferases that transfer organiccompounds, usually fatty acids (e.g., cholesterol, diacylglycerol,palmitoyl), onto hydroxyl groups of membrane-embedded targets(Dauwerse et al., 2007 [PubMed 17440500]).

MBOA1 Antibody (Center) Blocking peptide - References

Lasky-Su, J., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 147B (8), 1345-1354 (2008) :Hishikawa, D., et al. Proc. Natl. Acad. Sci. U.S.A. 105(8):2830-2835(2008)Tamaki, H., et al. J. Biol. Chem. 282(47):34288-34298(2007)Dauwerse, J.G., et al. Eur. J. Hum. Genet. 15(7):743-751(2007)Mungall, A.J., et al. Nature 425(6960):805-811(2003)