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# MBOAT2 Antibody (Center) Blocking Peptide
**Synthetic peptide**
**Catalog # BP17786c**

## Specification

### MBOAT2 Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q6ZWT7

### MBOAT2 Antibody (Center) Blocking Peptide - 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

**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.

### MBOAT2 Antibody (Center) Blocking Peptide - 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:<a href="http://www.uniprot.org/citations/18772128" target="_blank">18772128</a>). 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:<a href="http://www.uniprot.org/citations/18772128" target="_blank">18772128</a>). Prefers oleoyl-CoA as the acyl donor (PubMed:<a href="http://www.uniprot.org/citations/18772128" target="_blank">18772128</a>). 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) Blocking Peptide - Protocols

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

- Blocking Peptides

## MBOAT2 Antibody (Center) Blocking Peptide - Images

## MBOAT2 Antibody (Center) Blocking Peptide - 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) Blocking Peptide - References

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