

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

MBOAT2 Antibody (Center) Blocking Peptide - Product InformationPrimary 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 InformationName 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 extent 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

Membrane; Multi-pass membrane protein. Endoplasmic reticulum
{ECO:0000250|UniProtKB:Q8R3I2}

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)