

**LPIN2 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP8583c****Specification****LPIN2 Antibody (Center) Blocking Peptide -  
Product Information**Primary Accession [Q92539](#)**LPIN2 Antibody (Center) Blocking Peptide -  
Additional Information**

Gene ID 9663

**Other Names**Phosphatidate phosphatase LPIN2, Lipin-2,  
LPIN2, KIAA0249**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP8583c](/products/AP8583c) was selected from the Center region of human LPIN2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**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.

**LPIN2 Antibody (Center) Blocking Peptide -  
Protein Information**Name LPIN2 ([HGNC:14450](#))

Synonyms KIAA0249

**LPIN2 Antibody (Center) Blocking Peptide  
- Background**

Defects in LPIN2 are the cause of Majeed syndrome. Majeed syndrome is an autosomal recessive disorder combining features of chronic recurrent multifocal osteomyelitis, congenital dyserythropoietic anemia and inflammatory dermatosis.

**LPIN2 Antibody (Center) Blocking Peptide  
- References**

Olsen,J.V., et.al., Cell 127 (3), 635-648  
(2006)Ferguson,P.J., et.al., J. Med. Genet. 42  
(7), 551-557 (2005)

**Function**

Acts as a magnesium-dependent phosphatidate phosphatase enzyme which catalyzes the conversion of phosphatidic acid to diacylglycerol during triglyceride, phosphatidylcholine and phosphatidylethanolamine biosynthesis in the reticulum endoplasmic membrane. Plays important roles in controlling the metabolism of fatty acids at different levels. Acts also as a nuclear transcriptional coactivator for PPARGC1A to modulate lipid metabolism.

**Cellular Location**

Nucleus. Cytoplasm, cytosol. Endoplasmic reticulum membrane Note=Translocates to endoplasmic reticulum membrane with increasing levels of oleate.

**Tissue Location**

Expressed in liver, lung, kidney, placenta, spleen, thymus, lymph node, prostate, testes, small intestine, and colon

**LPIN2 Antibody (Center) Blocking Peptide  
- Protocols**

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

- [Blocking Peptides](#)