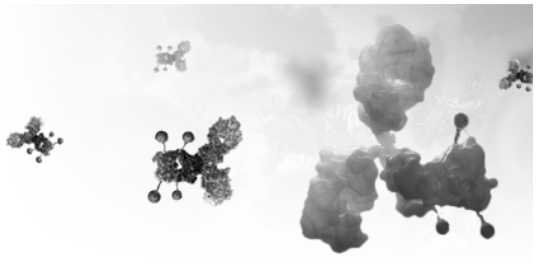

LPIN1 blocking peptide (CDBP5689)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a magnesium-ion-dependent phosphatidic acid phosphohydrolase enzyme that catalyzes the penultimate step in triglyceride synthesis including the dephosphorylation of phosphatidic acid to yield diacylglycerol. Expression of this gene is required for adipocyte differentiation and it also functions as a nuclear transcriptional coactivator with some peroxisome proliferator-activated receptors to modulate expression of other genes involved in lipid metabolism. Mutations in this gene are associated with metabolic syndrome, type 2 diabetes, and autosomal recessive acute recurrent myoglobinuria (ARARM). This gene is also a candidate for several human lipodystrophy syndromes. Alternative splicing results in multiple transcript variants encoding distinct isoforms. Additional splice variants have been described but their full-length structures have not been determined. [provided by RefSeq, May 2012]
Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 μg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	LPIN1 lipin 1 [Homo sapiens (human)]
Official Symbol	LPIN1

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Synonyms	LPIN1; lipin 1; PAP1; phosphatidate phosphatase LPIN1; lipin-1
Entrez Gene ID	23175
mRNA Refseq	NM_001261427
Protein Refseq	NP_001248356
UniProt ID	Q14693
Pathway	Adipogenesis; Cell Cycle; Depolymerisation of the Nuclear Lamina; Fatty acid; Glycerolipid metabolism; Glycerophospholipid biosynthesis; Glycerophospholipid metabolism; M Phase
Function	molecular_function; phosphatidate phosphatase activity

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