



# Human LPIN1 blocking peptide (CDBP1758)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Blocking/Immunizing peptide for anti-Lipin 1 (Internal) antibody
<b>Antigen Description</b>	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]
<b>Species</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Apuri, BL, ELISA
<b>Format</b>	Lyophilized powder
<b>Size</b>	100 µg
<b>Preservative</b>	None
<b>Storage</b>	Shipped at ambient temperature, store at -20°C.

## GENE INFORMATION

Gene Name [LPIN1 lipin 1 \[ Homo sapiens \]](#)

<b>Official Symbol</b>	LPIN1
<b>Synonyms</b>	LPIN1; lipin 1; phosphatidate phosphatase LPIN1; KIAA0188; lipin-1; PAP1; DKFZp781P1796;
<b>Entrez Gene ID</b>	<a href="#">23175</a>
<b>mRNA Refseq</b>	<a href="#">NM_145693</a>
<b>Protein Refseq</b>	<a href="#">NP_663731</a>
<b>UniProt ID</b>	Q14693
<b>Chromosome Location</b>	2p25.1
<b>Pathway</b>	Adipogenesis, organism-specific biosystem; Fatty acid, triacylglycerol, and ketone body metabolism, organism-specific biosystem; Glycerolipid metabolism, organism-specific biosystem; Glycerolipid metabolism, conserved biosystem; Glycerophospholipid metabolism, organism-specific biosystem; Glycerophospholipid metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem;
<b>Function</b>	hydrolase activity; molecular_function; phosphatidate phosphatase activity;