



LPIN1 rabbit pAb

Cat No.:ES10897

For research use only

Overview

Product Name	LPIN1 rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Mouse
Recommended dilutions	WB 1:500-2000 ELISA 1:5000-20000
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	LPIN1 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C . Avoid repeated freeze-thaw cycles.
Protein Name	Phosphatidate phosphatase LPIN1 (EC 3.1.3.4) (Lipin-1)
Gene Name	LPIN1 KIAA0188
Cellular localization	Cytoplasm, cytosol . Endoplasmic reticulum membrane . Nucleus membrane . Translocates from the cytosol to the endoplasmic reticulum following acetylation by KAT5. .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	97kD
Human Gene ID	23175
Human Swiss-Prot Number	Q14693
Alternative Names	
Background	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





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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],



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