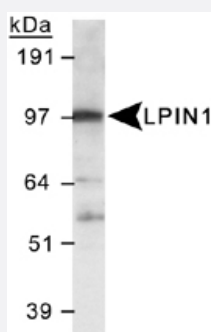


LPIN1 polyclonal antibody

Catalog # PAB12400 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of LPIN1 in 3T3-L1 lysate using LPIN1 polyclonal antibody (Cat # PAB12400).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of LPIN1.
Immunogen	A synthetic peptide corresponding to amino acids 500-600 of human LPIN1.
Host	Rabbit
Reactivity	Human, Mouse, Primates, Rat
Form	Liquid
Recommend Usage	Western Blot (2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (30% glycerol, 0.09% sodium azide)
Storage Instruction	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of LPIN1 in 3T3-L1 lysate using LPIN1 polyclonal antibody (Cat # PAB12400).

Gene Info — LPIN1

Entrez GeneID	23175
Protein Accession#	Q14693
Gene Name	LPIN1
Gene Alias	DKFZp781P1796, KIAA0188, PAP1
Gene Description	lipin 1
Omim ID	605518
Gene Ontology	Hyperlink
Gene Summary	This gene represents a candidate gene for human lipodystrophy, characterized by loss of body fat , fatty liver, hypertriglyceridemia, and insulin resistance. Mouse studies suggest that this gene functions during normal adipose tissue development and may also play a role in human triglyceride metabolism. [provided by RefSeq]
Other Designations	-

Publication Reference

- [Lipin 1 is an inducible amplifier of the hepatic PGC-1alpha/PPARalpha regulatory pathway.](#)

Finck BN, Gropler MC, Chen Z, Leone TC, Croce MA, Harris TE, Lawrence JC Jr, Kelly DP.

Cell Metabolism 2006 Sep; 4(3):199.

Application: ChIP, WB, Mouse , Mouse hepatocytes

- [Alternatively spliced lipin isoforms exhibit distinct expression pattern, subcellular localization, and role in adipogenesis.](#)

Péterfy M, Phan J, Reue K.

The Journal of Biological Chemistry 2005 Sep; 280(38):32883.

- [Insulin-stimulated phosphorylation of lipin mediated by the mammalian target of rapamycin.](#)

Huffman TA, Mothe-Satney I, Lawrence JC Jr.

PNAS 2002 Jan; 99(2):1047.

Application: IP, Rat, Rat adipocytes

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Insulin Resistance](#)
- [Lipodystrophy](#)
- [Metabolic Syndrome X](#)
- [Obesity](#)