

Datasheet for ABIN6143300
anti-Lipin 1 antibody (AA 741-890)



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1 Image

Overview

Quantity:	100 µL
Target:	Lipin 1 (LPIN1)
Binding Specificity:	AA 741-890
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Lipin 1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 741-890 of human Lipin 1 (NP_663731.1).
Sequence:	NERGTVLPQG PLLLSPSSLF SALHREVIEK KPEKFKVQCL TDIKNLFFPN TEPFYAAFNG RPADVYSYKQ VGVSLNRIFT VNPKGELVQE HAKTNISSYV RLCEVVDHVF PLLKRSHSSD FPCSDTFSNF TFWREPLPPF ENQDIHSASA
Isotype:	IgG
Cross-Reactivity:	Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	Lipin 1 (LPIN1)
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Target Details

Alternative Name: [LPIN1 \(LPIN1 Products\)](#)

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 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.,LPIN1,PAP1,lipin 1,Signal Transduction,Cell Biology & Developmental Biology,Cell Cycle,Cell differentiation,Endocrine & Metabolism,Lipid Metabolism,Cholesterol Metabolism,Endocrine and metabolic diseases,Diabetes,Cardiovascular,Heart,Lipids,Cardiovascular diseases,Heart disease,LPIN1

Molecular Weight: 50 kDa/98 kDa/99-107 kDa

Gene ID: 23175

UniProt: [Q14693](#)

Pathways: [Monocarboxylic Acid Catabolic Process](#)

Application Details

Application Notes: WB,1:500 - 1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

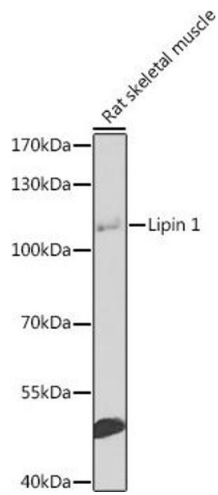
Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of rat skeletal muscle, using Lipin 1 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.