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Datasheet for ABIN905058

## anti-Lipin 1 antibody (AA 241-340) (Alexa Fluor 350)

### Overview

Quantity:	100 µL
Target:	Lipin 1 (LPIN1)
Binding Specificity:	AA 241-340
Reactivity:	Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Lipin 1 antibody is conjugated to Alexa Fluor 350
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from mouse Lpin 1
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Purification:	Purified by Protein A.

### Target Details

Target:	Lipin 1 (LPIN1)
Alternative Name:	Lpin1 ( <a href="#">LPIN1 Products</a> )
Background:	Synonyms: fld, Lipin1, Kiaa0188, mKIAA0188, 4631420P06, Phosphatidate phosphatase LPIN1,

## Target Details

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Fatty liver dystrophy protein, Lipin-1, Lpin1

Background: Plays important roles in controlling the metabolism of fatty acids at different levels. Acts as a magnesium-dependent phosphatidate phosphatase enzyme which catalyzes the conversion of phosphatidic acid to diacylglycerol during triglyceride, phosphatidylcholine and phosphatidylethanolamine biosynthesis. Acts also as nuclear transcriptional coactivator for PPARGC1A/PPARA regulatory pathway to modulate lipid metabolism gene expression. Is involved in adipocyte differentiation. Isoform 1 is recruited at the mitochondrion outer membrane and is involved in mitochondrial fission by converting phosphatidic acid to diacylglycerol.

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Gene ID: 14245

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UniProt: [Q91ZP3](#)

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Pathways: [Monocarboxylic Acid Catabolic Process](#)

## Application Details

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Application Notes: IF(IHC-P) 1:50-200

IF(IHC-F) 1:50-200

IF(ICC) 1:50-200

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Concentration: 1 µg/µL

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Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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Preservative: ProClin

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

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Storage: -20 °C

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Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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Expiry Date: 12 months