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Datasheet for ABIN905050

anti-Lipin 1 antibody (AA 201-300) (AbBy Fluor® 488)

Overview

Quantity:	100 µL
Target:	Lipin 1 (LPIN1)
Binding Specificity:	AA 201-300
Reactivity:	Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Lipin 1 antibody is conjugated to AbBy Fluor® 488
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from mouse Lpin1 protein
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	Lipin 1 (LPIN1)
Alternative Name:	Lpin1 protein (LPIN1 Products)
Background:	Synonyms: fld, Lipin1, Kiaa0188, mKIAA0188, 4631420P06, Phosphatidate phosphatase LPIN1,

Target Details

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.

Gene ID: 14245

UniProt: [Q91ZP3](#)

Pathways: [Monocarboxylic Acid Catabolic Process](#)

Application Details

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

IF(IHC-F) 1:50-200

IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

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

Preservative: ProClin

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

Storage: -20 °C

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

Expiry Date: 12 months