ARG41203
anti-LPIN2 / Lipin 2 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes LPIN2 / Lipin 2
Tested Reactivity	Hu, Ms
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	LPIN2 / Lipin 2
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 180-400 of Human LPIN2 / Lipin 2 (NP_055461.1).
Conjugation	Un-conjugated
Alternate Names	EC 3.1.3.4; Phosphatidate phosphatase LPIN2; Lipin-2

Application Instructions

Application table

Application	Dilution
WB	1:500 - 1:2000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	A549
Observed Size	110 kDa

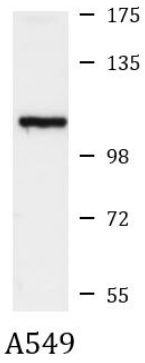
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	LPIN2
Gene Full Name	lipin 2
Background	Mouse studies suggest that this gene functions during normal adipose tissue development and may play a role in human triglyceride metabolism. This gene represents a candidate gene for human lipodystrophy, characterized by loss of body fat, fatty liver, hypertriglyceridemia, and insulin resistance. [provided by RefSeq, Jul 2008]
Function	Plays important roles in controlling the metabolism of fatty acids at differents levels. Acts as a magnesium-dependent phosphatidate phosphatase enzyme which catalyzes the conversion of phosphatidic acid to diacylglycerol during triglyceride, phosphatidylcholine and phosphatidylethanolamine biosynthesis in the reticulum endoplasmic membrane. Acts also as a nuclear transcriptional coactivator for PPARGC1A to modulate lipid metabolism (By similarity). [UniProt]
Calculated Mw	99 kDa
Cellular Localization	Nucleus. Cytoplasm, cytosol. Endoplasmic reticulum membrane. Note=Translocates to endoplasmic reticulum membrane with increasing levels of oleate. [UniProt]

Images



ARG41203 anti-LPIN2 / Lipin 2 antibody WB image

Western blot: 25 µg of A549 cell lysate stained with ARG41203 anti-LPIN2 / Lipin 2 antibody at 1:1000 dilution.