ARG64050
anti-Lipin 3 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes Lipin 3
Tested Reactivity	Hu
Tested Application	IHC-P
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	Lipin 3
Species	Human
Immunogen	C-KPKQKEDAVATD
Conjugation	Un-conjugated
Alternate Names	Lipin-3-like; EC 3.1.3.4; Phosphatidate phosphatase LPIN3; Lipin-3; SMP2; LIPN3L

Application Instructions

Application table

Application	Dilution
IHC-P	2 - 3 µg/ml

Application Note

IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

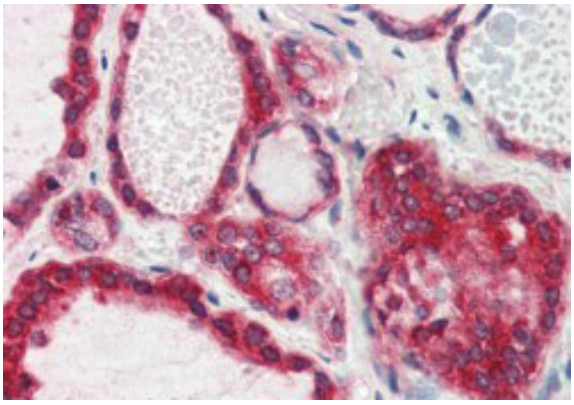
Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
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 or below. 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

Database links	GeneID: 64900 Human Swiss-port # Q9BQK8 Human
Background	Humans lipodystrophy is characterized by loss of body fat, fatty liver, hypertriglyceridemia, and insulin resistance. Mice carrying mutations in the fatty liver dystrophy (fld) gene have similar phenotypes. Through positional cloning, the mouse gene responsible for fatty liver dystrophy was isolated and designated Lpin1. The nuclear protein encoded by Lpin1 was named lipin. Lpin1 mRNA was expressed at high levels in adipose tissue and was induced during differentiation of preadipocytes. These results indicated that lipin is required for normal adipose tissue development and provided a candidate gene for human lipodystrophy. Through database searches, mouse and human EST and genomic sequences with similarities to Lpin1 were identified. These included two related mouse genes (Lpin2 and Lpin3) and three human homologs (LPIN1, LPIN2, and LPIN3). Human LPIN1 gene has been mapped to 2p25.; linkages of fat mass and serum leptin levels to this same region have been noted. Human LPIN2 and LPIN3 mapped to chromosomes 18p11 and 20q11-q12, respectively. The mouse genes encoding Lpin1, Lpin2, and Lpin3 mapped to chromosome 12, 17, and 2, respectively. [provided by RefSeq, Jul 2008]
Research Area	Cell Biology and Cellular Response antibody; Metabolism antibody; Signaling Transduction antibody
Calculated Mw	94 kDa

Images



ARG64050 anti-Lipin 3 antibody IHC-P image

Immunohistochemistry: paraffin embedded Human Thyroid Gland. (Steamed antigen retrieval with citrate buffer pH 6) stained with ARG64050 anti-Lipin 3 antibody at 2.5 µg/ml dilution followed by AP-staining.