

Rabbit LPIN1 Polyclonal Antibody | anti-LPIN1 antibody

LPIN1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40536	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

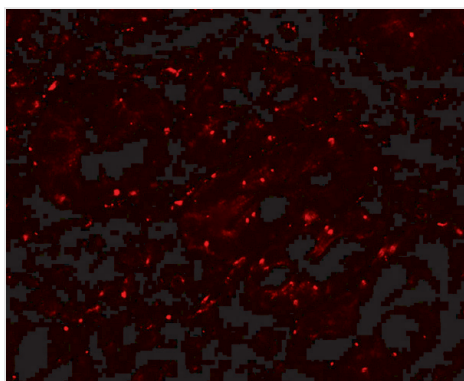
PRODUCT SYNONYMS

LPIN1; Polyclonal Antibody; LPIN1 Antibody; PAP1; KIAA0188; Phosphatidate phosphatase LPIN1; Lipin-1; lipin 1; anti-LPIN1 antibody

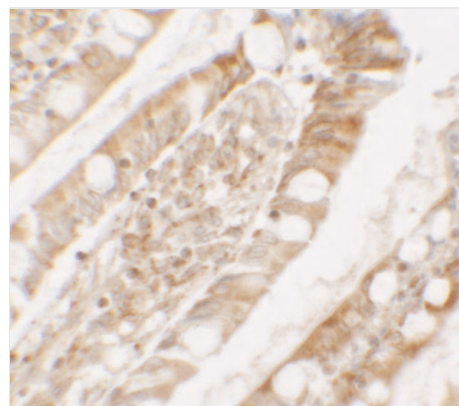
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	LPIN1 antibody is human and mouse reactive. At least four isoforms of LPIN1 are known to exist.
Purity/Purification	LPIN1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	975
Applicable Applications for anti-LPIN1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	LPIN1 antibody was raised against an 18 amino acid peptide near the carboxy terminus of human LPIN1.
Buffer	LPIN Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	LPIN antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year.

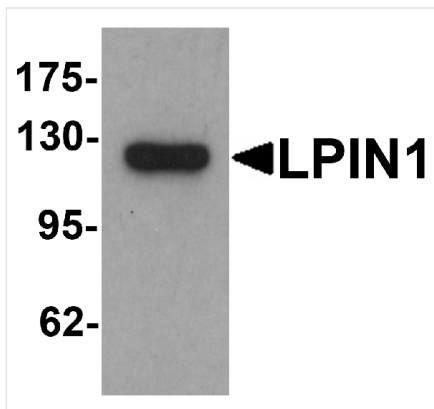
IMAGES


IF (Immunofluorescence)

Immunofluorescence of LPIN1 in human small intestine tissue with LPIN1 antibody at 20 &#956;g/ml.


IHC (Immunohistochemistry)

Immunohistochemistry of LPIN1 in human small intestine tissue with LPIN1 antibody at 5 &#956;g/ml.



WB (Western Blot)

Western blot analysis of LPIN1 in K562 cell lysate with LPIN1 antibody at 1 & #956;g/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-LPIN1 antibody

LPIN1 Antibody: LPIN1, also known as PAP1, is 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 (reviewed in 1). LPIN1 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 (1,2). Mutations in LPIN1 are associated with metabolic diseases such as type 2 diabetes and recurrent acute myoglobinuria (3,4) and it is also a candidate for several human lipodystrophy syndromes (5).

NCBI AND UNIPROT INFORMATION

NCBI GI #	387528013
NCBI GeneID	23175
NCBI Accession #	NP_001248357
NCBI GenBank Nucleotide #	NM_001261428.1
UniProt Accession #	Q14693; Q53T25; A8MU38; B4DET9; B4DGS4; B4DGZ6; B5MC18; B7Z858; D6W506; E7ESE7; F5GY24
Molecular Weight	Predicted: 107 kDa Observed: 125 kDa
NCBI Official Full Name	phosphatidate phosphatase LPIN1 isoform 3
NCBI Official Synonym Full Names	lipin 1
NCBI Official Symbol	LPIN1
NCBI Official Synonym Symbols	PAP1
NCBI Protein Information	phosphatidate phosphatase LPIN1; lipin-1
UniProt Protein Name	Phosphatidate phosphatase LPIN1
UniProt Gene Name	LPIN1
UniProt Synonym Gene Names	KIAA0188
UniProt Entry Name	LPIN1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.