

Rabbit anti-Human, Mouse PLIN5 Polyclonal Antibody | anti-PLIN5 antibody

PLIN5 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA232111	Rabbit	Human, Mouse	Immunofluorescence, Western Blot, ELISA

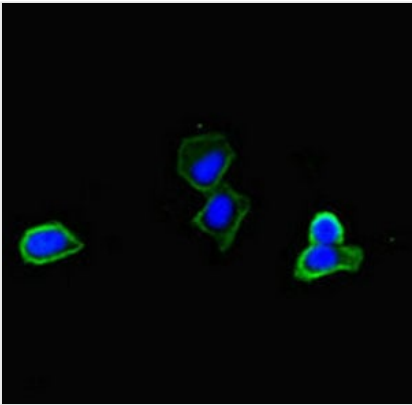
PRODUCT SYNONYMS

PLIN5; Polyclonal Antibody; PLIN5 Antibody; Perilipin-5; Lipid storage droplet protein 5; LSDP5; OXPAT; PAT-1; anti-PLIN5 antibody

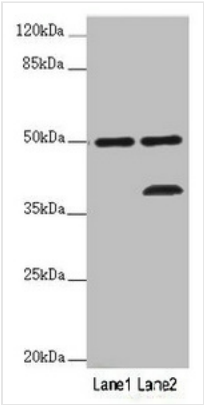
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	463
Applicable Applications for anti-PLIN5 antibody	IF (Immunofluorescence), WB (Western Blot), ELISA
Immunogen	Recombinant Human Perilipin-5 protein (305-453AA)
Immunogen Species	Homo sapiens (Human)
Research Area	Others
Target Names	PLIN5
Conjugate	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-240627 / sc-240628
Preparation and Storage	Upon receipt, store at -20 degrees C or -80 degrees C. Avoid repeated freeze.

IMAGES



IF (Immunofluorescence)
Immunofluorescent analysis of HepG2 cells using AAA232111 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



WB (Western Blot)
Western blotAll lanes:PLIN5 antibody at 2 ug/mlLane 1: Mouse kidney tissueLane 2: Mouse brain tissueSecondaryGoat polyclonal to rabbit IgG at 1/10000 dilutionPredicted band size: 51 kDaObserved band size: 51,36 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-PLIN5 antibody	Lipid droplet-associated protein that maintains the balance between lipogenesis and lipolysis and also regulates fatty acid oxidation in oxidative tissues. Recruits mitochondria to the surface of lipid droplets and is involved in lipid droplet homeostasis by regulating both the storage of fatty acids in the form of triglycerides and the release of fatty acids for mitochondrial fatty acid oxidation. In lipid droplet triacylglycerol hydrolysis, plays a role as a scaffolding protein for three major key lipolytic players: ABHD5, PNPLA2 and LIPE. Reduces the triacylglycerol hydrolase activity of PNPLA2 by recruiting and sequestering PNPLA2 to lipid droplets. Phosphorylation by PKA enables lipolysis probably by promoting release of ABHD5 from the perilipin scaffold and by facilitating interaction of ABHD5 with PNPLA2. Also increases lipolysis through interaction with LIPE and upon PKA-mediated phosphorylation of LIPE (By similarity).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	116292172
NCBI GeneID	440503
NCBI Accession #	NP_001013728.2
NCBI GenBank Nucleotide #	NM_001013706.2
UniProt Accession #	Q00G26; Q6ZS68; A2RRC1
NCBI Official Full Name	perilipin-5
NCBI Official Synonym Full Names	perilipin 5
NCBI Official Symbol	PLIN5
NCBI Official Synonym Symbols	MLDP; LSDA5; LSDP5; OXPAT
NCBI Protein Information	perilipin-5
UniProt Protein Name	Perilipin-5
UniProt Gene Name	PLIN5
UniProt Synonym Gene Names	LSDP5; OXPAT; PAT-1
UniProt Entry Name	PLIN5_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.

