

Rabbit Perilipin A Polyclonal Antibody | anti-PLIN1 antibody

Perilipin A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327255	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

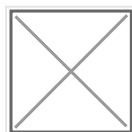
PRODUCT SYNONYMS

Perilipin A; Polyclonal Antibody; Perilipin A Antibody; Lipid droplet associated protein; Lipid droplet-associated protein; PERI; Perilipin; Perilipin-1; PerilipinA; PLIN; PLIN1; PLIN1_HUMAN; anti-PLIN1 antibody

PRODUCT SPECIFICATIONS

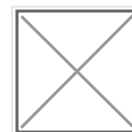
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Perilipin A antibody detects endogenous levels of total Perilipin A
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	522
Applicable Applications for anti-PLIN1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Perilipin A
Subcellular Location	Lipid Droplet. Lipid droplet surface-associated.
Tissue Specificity	Adipocytes.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Dog
Similarity	Pig (92%), Bovine (100%), Horse (100%), Sheep (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of Perilipin A using NIH-3T3 whole lysates.



IF (Immunofluorescence)

AAA327255 staining A-431 cells by ICC/IF. Cells were fixed with PFA and permeabilized in 0.1% saponin prior to blocking in 10% serum for 45 minutes at 37 degree C. The primary antibody was diluted 1/200 and incubated with the sample for 1 hour at 37 degree C. A Alexa Fluor 594 conjugated goat polyclonal to rabbit IgG (H+L), diluted 1/600 was used as secondary antibody.



IHC (Immunohistochemistry)

AAA327255 at 1/100 staining Mouse testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of extracts from mouse heart, using Perilipin A Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-PLIN1 antibody

Function: Modulator of adipocyte lipid metabolism. Coats lipid storage droplets to protect them from breakdown by hormone-sensitive lipase (HSL). Its absence may result in leanness. Plays a role in unilocular lipid droplet formation by activating CIDEC. Their interaction promotes lipid droplet enlargement and directional net neutral lipid transfer. May modulate lipolysis and triglyceride levels.

Subunit Structure: Interacts with ABHD5 (By similarity). Interacts with CIDEC.

Post-translational Modifications: Major cAMP-dependent protein kinase-substrate in adipocytes, also dephosphorylated by PP1. When phosphorylated, may be maximally sensitive to HSL and when unphosphorylated, may play a role in the inhibition of lipolysis, by acting as a barrier in lipid droplet (By similarity).

Similarity: Belongs to the perilipin family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	223718203
NCBI GeneID	5346
NCBI Accession #	NP_001138783.1
NCBI GenBank Nucleotide #	NM_001145311.1
UniProt Accession #	O60240; Q8N5Y6
Molecular Weight	Observed: 62 kDa Predicted: 56 kDa
NCBI Official Full Name	perilipin-1
NCBI Official Synonym Full Names	perilipin 1
NCBI Official Symbol	PLIN1
NCBI Official Synonym Symbols	PERI; PLIN; FPLD4
NCBI Protein Information	perilipin-1
UniProt Protein Name	Perilipin-1
UniProt Gene Name	PLIN1
UniProt Synonym Gene Names	PERI; PLIN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/perilipin-a-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/327255>