



[Go to Product page](#)

Datasheet for ABIN6944482
anti-PLIN1 antibody (AA 331-430)

Overview

Quantity:	100 µL
Target:	PLIN1
Binding Specificity:	AA 331-430
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PLIN1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human IFNAR2
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Cow,Sheep,Pig
Purification:	Purified by Protein A.

Target Details

Target:	PLIN1
Alternative Name:	Perilipin 1 (PLIN1 Products)
Background:	Synonyms: Lipid droplet associated protein, Lipid droplet-associated protein, PERI, Perilipin,

Target Details

Perilipin-1, Perilipin 1, PerilipinA, Perilipin-A, PLIN, PLIN1, PLIN1_HUMAN.

Background: Perilipins, members of the PAT protein family (named after lipid droplet proteins Perilipin, Adipophilin, and TIP47) are found exclusively at the surface of lipid droplets in adipocytes and steroidogenic cells. They have been suggested to function as regulators of lipolysis and triacylglycerol storage within adipose tissue. Four distinct isoforms ranging from perilipin A (57 kDa) to perilipin D (26 kDa) have been identified and they share an identical amino terminal sequences, and contain 26 consensus protein kinase A (PKA) phosphorylation sites. Perilipin C and D have been detected only in steroidogenic cells. Perilipin A is the most abundant form on the lipid droplets of adipocytes. The phosphorylation of perilipin by PKA, which is accompanied by the phosphorylation and translocation of hormone-sensitive lipase from the cytosol to the lipid droplets, promotes lipolysis. There is evidence for the presence of perilipin A in atheroma plaques suggesting that the protein may be involved in the development of atherosclerosis by controlling as in adipocytes the hydrolysis of stored lipids.

Gene ID: 5346

UniProt: [O60240](#)

Pathways: [Lipid Metabolism](#)

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
FCM 1:20-100

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Handling

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months