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Datasheet for ABIN6944483  
**anti-PLIN1 antibody (AA 331-430) (Biotin)**

### Overview

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

### 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 ( <a href="#">PLIN1 Products</a> )
Background:	Synonyms: Lipid droplet associated protein, Lipid droplet-associated protein, PERI, Perilipin,

## Target Details

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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.

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Gene ID: 5346

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UniProt: [O60240](#)

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Pathways: [Lipid Metabolism](#)

## Application Details

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Application Notes: WB 1:300-5000

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % 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: -20 °C

Storage Comment: Store at -20°C for 12 months.

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## Handling

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Expiry Date: 12 months