



[Go to Product page](#)

Datasheet for ABIN7162899  
**anti-PLIN5 antibody (AA 305-453)**

2 Images

### Overview

Quantity:	100 µg
Target:	PLIN5
Binding Specificity:	AA 305-453
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PLIN5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

### Product Details

Immunogen:	Recombinant Human Perilipin-5 protein (305-453AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	>95%, Protein G purified

### Target Details

Target:	PLIN5
Alternative Name:	PLIN5 ( <a href="#">PLIN5 Products</a> )
Background:	Background: Lipid droplet-associated protein that maintains the balance between lipogenesis and lipolysis and also regulates fatty acid oxidation in oxidative tissues. Recruits mitochondria

## Target Details

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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).

Aliases: Lipid storage droplet protein 5 antibody, LSDA5 antibody, MLDP antibody, OXPAT antibody, Perilipin 5 antibody, Perilipin-5 antibody, PLIN5 antibody, PLIN5\_HUMAN antibody

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UniProt: [Q00G26](#)

## Application Details

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Application Notes: Recommended dilution: WB:1:1000-1:5000, IF:1:50-1:200,

Restrictions: For Research Use only

## Handling

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Format: Liquid

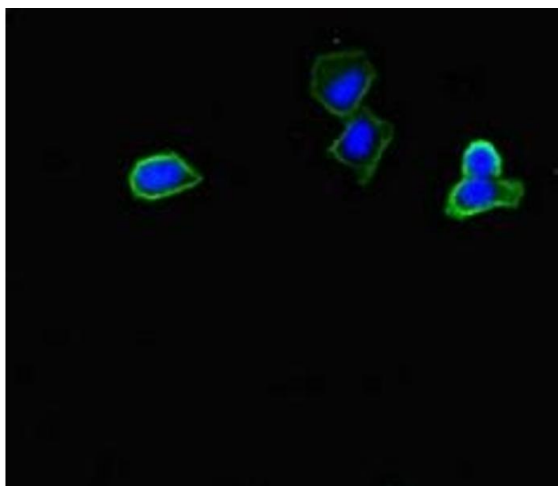
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

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

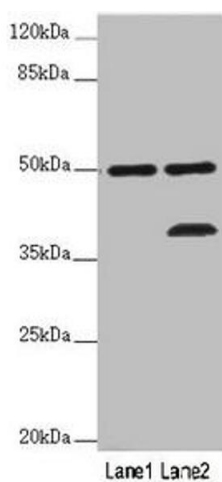
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



### Immunofluorescence

**Image 1.** Immunofluorescent analysis of HepG2 cells using ABIN7162899 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



### Western Blotting

**Image 2.** Western blot All lanes: PLIN5 antibody at 2 µg/mL  
Lane 1: Mouse kidney tissue Lane 2: Mouse brain tissue  
Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution  
Predicted band size: 51 kDa Observed band size: 51, 36 kDa