

**Perilipin A Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ABV10736****Specification**

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**Perilipin A Antibody - Product Information**

|                   |                            |
|-------------------|----------------------------|
| Application       | WB                         |
| Primary Accession | <a href="#">Q8CGN5</a>     |
| Other Accession   | <a href="#">EDL07054.1</a> |
| Reactivity        | Human, Mouse, Rat          |
| Host              | Rabbit                     |
| Clonality         | Polyclonal                 |
| Isotype           | Rabbit IgG                 |
| Calculated MW     | 55596                      |

**Perilipin A Antibody - Additional Information****Gene ID** 103968

|                     |                                                                                                                                                                |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Positive Control    | Jurkat cell lysate                                                                                                                                             |
| Application & Usage | Western blot analysis (1-4 µg/ml).<br>However, the optimal conditions should be determined individually. Jurkat cell lysate can be used as a positive control. |

**Other Names**

Perilipin, Perilipin 1, Perilipin a, Plin1

**Target/Specificity**

Perilipin A

**Antibody Form**

Liquid

**Appearance**

Colorless liquid

**Formulation**

100 µg (0.5 mg/ml) affinity purified rabbit anti-Perilipin A polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal

**Handling**

The antibody solution should be gently mixed before use.

**Reconstitution & Storage**

-20 °C

**Background Descriptions****Precautions**

Perilipin A Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Perilipin A Antibody - Protein Information

**Name** Plin1

**Synonyms** Peri, Plin

### 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 (By similarity). 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.

### Cellular Location

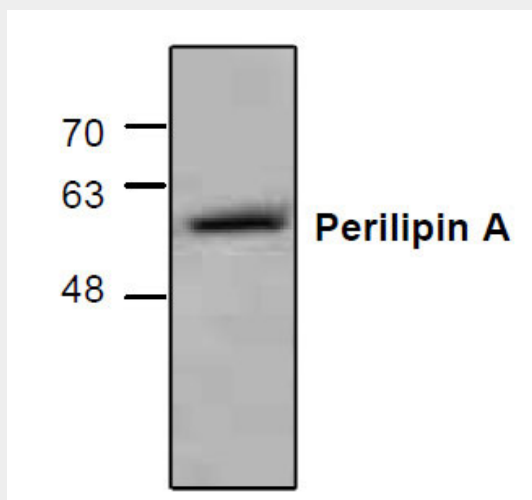
Endoplasmic reticulum {ECO:0000250|UniProtKB:O60240}. Lipid droplet. Note=Lipid droplet surface-associated. {ECO:0000250|UniProtKB:O60240}

## Perilipin A Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Perilipin A Antibody - Images



Western blot analysis of Perilipin A in Jurkat cell lysate.

**Perilipin A Antibody - Background**

Perilipin is a protein produced and secreted by adipose cells. This protein is localized exclusively to the surface of lipid droplets. In response to lipolytic stimuli, perilipin is phosphorylated by protein kinase A. Once activated, perilipin has inhibitory effects on hormone-sensitive lipase (HSL), a protein that mediates the hydrolysis of triacylglycerol, the major form of stored energy in the body. Perilipin expression is limited to adipocytes and steroidogenic cells.