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# PLIN antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI11970

## Product Information

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| **Application** | WB |
| **Primary Accession** | O60240 |
| **Other Accession** | NM_002666, NP_002657 |
| **Reactivity** | Human, Mouse, Rat, Zebrafish, Pig, Dog, Horse, Bovine, Sheep |
| **Predicted** | Human, Mouse, Rat, Zebrafish, Pig, Chicken, Bovine, Sheep |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 55990 |

## Additional Information

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| **Gene ID** | 5346 |
| **Alias Symbol** | PERI, PLIN, FPLD4 |
| **Other Names** | Perilipin-1, Lipid droplet-associated protein, PLIN1, PERI, PLIN |
| **Format** | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. |
| **Reconstitution & Storage** | Add 100 ul of distilled water. Final anti-PLIN antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles. |
| **Precautions** | PLIN antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

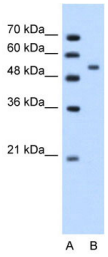
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| **Name** | PLIN1 |
| **Synonyms** | PERI, PLIN |
| **Function** | Modulator of adipocyte lipid metabolism. Coats lipid storage droplets to protect them from breakdown by hormone-sensitive lipase (HSL). Its absence may result in leanness. Plays a 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. Lipid droplet. Note=Lipid droplet surface-associated. |

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| **Tissue Location** | Detected in adipocytes from white adipose tissue (at protein level) (PubMed:27832861). Detected in visceral adipose tissue and mammary gland (PubMed:9521880) |

## References

Moore,H.P., (2005) J. Biol. Chem. 280 (52), 43109-43120 Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.

## Images




WB Suggested Anti-PLIN Antibody Titration: 1.25µg/ml
Positive Control: Jurkat cell lysate

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.