

Datasheet for ABIN285897
anti-PLIN1 antibody (N-Term)



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22 Publications

Overview

Quantity:	100 µL
Target:	PLIN1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Guinea Pig
Clonality:	Polyclonal
Conjugate:	This PLIN1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	Perilipin antibody was raised in guinea pig using duplicated N-terminus of perilipin as the immunogen.
Isotype:	IgG1
Purification:	Stabilized antiserum

Target Details

Target:	PLIN1
Alternative Name:	Perilipin (PLIN1 Products)
Background:	Perilipins build a family of phosphoproteins. The predominant forms in adipocytes, perilipin A and B arise by alternative RNA splicing from a single gene, generating polypeptides of 57 and

Target Details

46 kDa, respectively. The N-terminus, however, remains unchanged. The antiserum reacts specifically with perilipins (A and B) located at the surface of intracellular storage lipid droplets present e.g. in the adrenal gland, adipocytes of white and brown adipose tissue and cultured cells such as 3T3-L1 adipocytes and cultured steroidogenic adrenal cortical and Leydig cells.

Pathways: [Lipid Metabolism](#)

Application Details

Application Notes: IHC-F: 1:100-200, IHC-P: 1:100-1:200, WB: 1:2,000
Optimal conditions should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Supplied as whole antiserum with 0.09 % NaN₃.

Preservative: Sodium azide

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

Storage: 4 °C

Publications

Product cited in: Bae, Hong, Lee, Jang, Lee, Choe, Offermanns, He, Lee, Koh: "Angiotensin-2-integrin $\alpha 5\beta 1$ signaling enhances vascular fatty acid transport and prevents ectopic lipid-induced insulin resistance." in: **Nature communications**, Vol. 11, Issue 1, pp. 2980, (2020) ([PubMed](#)).

Kong, Ji, Jeon, Han, Han, Lee, Lee, Jang, Choe, Baes, Kim: "Spatiotemporal contact between peroxisomes and lipid droplets regulates fasting-induced lipolysis via PEX5." in: **Nature communications**, Vol. 11, Issue 1, pp. 578, (2020) ([PubMed](#)).

Choi, Bae, Jeong, Park, Cho, Hong, Lee, Lee, Park, Suh, Choi, Yang, Jang, Onder, Moon, Jeong, Adams, Kim, Ludewig, Song, Lim, Koh: "YAP/TAZ direct commitment and maturation of lymph node fibroblastic reticular cells." in: **Nature communications**, Vol. 11, Issue 1, pp. 519, (2020) (

[PubMed](#)).

Liu, Li, Li, Wang, Ding, Wang, Ye, Jin, Hou, Fang, Shu: "TREM2 regulates obesity-induced insulin resistance via adipose tissue remodeling in mice of high-fat feeding." in: **Journal of translational medicine**, Vol. 17, Issue 1, pp. 300, (2020) ([PubMed](#)).

An, Crewe, Asterholm, Sun, Chen, Zhang, Shao, Funcke, Zhang, Straub, Klein, Kusminski, Scherer : "Dysregulation of Amyloid Precursor Protein Impairs Adipose Tissue Mitochondrial Function and Promotes Obesity." in: **Nature metabolism**, Vol. 1, Issue 12, pp. 1243-1257, (2019) ([PubMed](#)).

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