

Datasheet for ABIN190817
anti-PLIN1 antibody (C-Term)

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Overview

Quantity:	100 µg
Target:	PLIN1
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This PLIN1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Perilipin 1 (C Terminus)
Immunogen:	Peptide with sequence C-EPILGRAQYSQLRKK, from the C Terminus of the protein sequence according to NP_002657.2.
Sequence:	EPILGRAQYS QLRKK
Isotype:	IgG
Cross-Reactivity:	Dog, Human, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

Target:	PLIN1
Alternative Name:	PLIN (PLIN1 Products)
Background:	Plin, perilipin, PERI, lipid droplet-associated protein, PLIN1, Perilipin1, Perilipin 1
Gene ID:	5346, 25629
NCBI Accession:	NP_002657
Pathways:	Lipid Metabolism

Application Details

Application Notes:	Western Blot: Approx 55 kDa band observed in Human Breast and Breast cancer lysates, and in lysates of cell line Jurkat (calculated MW of 56.0 kDa according to NP_002657.3). Recommended concentration: 0.5-2 µg/mL. Primary incubation 1 hour at room temperature Peptide ELISA: antibody detection limit dilution 1:64000.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

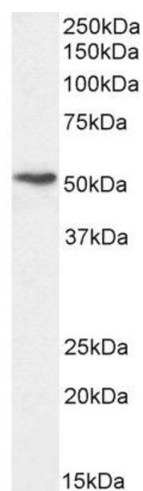
Publications

Product cited in:	Mottillo, Zhang, Yang, Zhou, Granneman: "Genetically-encoded sensors to detect fatty acid production and trafficking." in: Molecular metabolism , Vol. 29, pp. 55-64, (2020) (PubMed).
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Ramseyer, Kimler, Granneman: "Vacuolar protein sorting 13C is a novel lipid droplet protein that inhibits lipolysis in brown adipocytes." in: **Molecular metabolism**, Vol. 7, pp. 57-70, (2019) ([PubMed](#)).

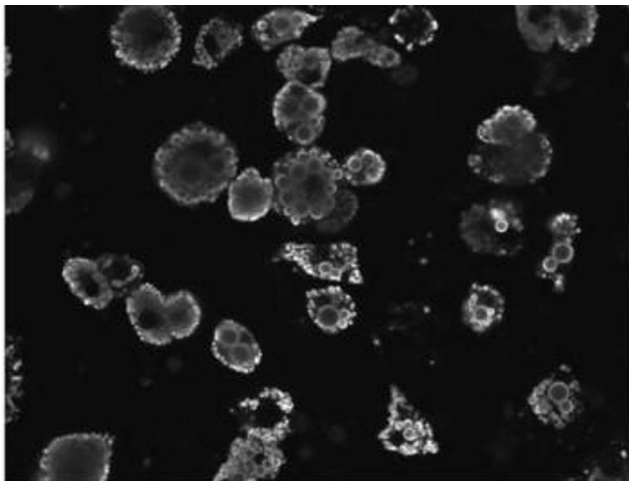
Mottillo, Paul, Moore, Granneman: "Use of fluorescence microscopy to probe intracellular lipolysis." in: **Methods in enzymology**, Vol. 538, pp. 263-78, (2014) ([PubMed](#)).

Images



Western Blotting

Image 1. (ABIN190817) (1 µg/mL) staining of Jurkat cell lysate (35 µg protein in RIPA buffer). Detected by chemiluminescence.



Immunofluorescence

Image 2. ABIN190817 staining of differentiated 3T3-L1 adipocytes. Data kindly provided by Prof. J. Granneman, Detroit, USA. This data is from a previous batch, not on sale.

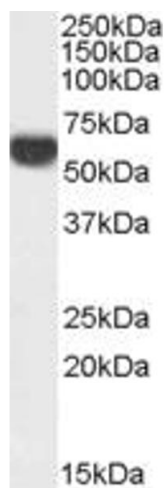


Image 3. ABIN190817 (0.01µg/ml) staining of Human Adipose lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN190817.