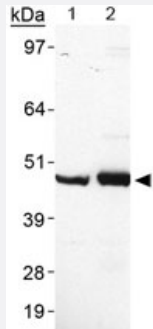


PLIN5 polyclonal antibody

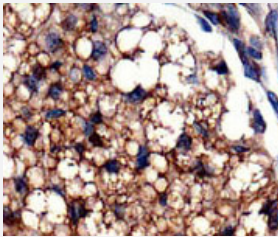
Catalog # PAB12542 Size 100 uL

Applications



Western Blot (Tissue lysate)

Western blot analysis of PLIN5 in heart lysate using PLIN5 polyclonal antibody (Cat # PAB12542). Lane 1 : human heart. Lane 2 : mouse heart.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Staining of PLIN5 on mouse fat using PLIN5 polyclonal antibody (Cat # PAB12542).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PLIN5.
Immunogen	A synthetic peptide corresponding to amino acids 300-400 of human PLIN5.
Host	Rabbit
Reactivity	Bovine, Human, Mouse, Pig, Sheep
Form	Liquid
Recommend Usage	Western Blot (0.5-2 ug/mL) Immunohistochemistry (1-5 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS (30% glycerol, 0.09% sodium azide)
Storage Instruction	Store at 4°C for short term. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

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Staining of PLIN5 on mouse fat using PLIN5 polyclonal antibody (Cat # PAB12542).

Gene Info — PLIN5

Entrez GeneID	440503
Protein Accession#	Q00G26
Gene Name	PLIN5
Gene Alias	MLDP, LSDA5, LSDP5, OXPAT
Gene Description	lipid storage droplet protein 5
Gene Ontology	Hyperlink
Other Designations	-

Publication Reference

- [Oleic acid abomasal infusion limits lipolysis and improves insulin sensitivity in adipose tissue from periparturient dairy cows.](#)

Ursula Abou-Rjeileh, JoséM Dos Santos Neto, Miguel Chirivi, Nial O'Boyle, David Salcedo, Crystal Prom, Juliana Laguna, Jair Parales-Giron, Adam L Lock, G Andres Contreras.

Journal of Dairy Science 2023 Jun; 106(6):4306.

Application: WB, IHC, Cow, Subcutaneous adipose tissue

- [Integrated analysis of expression profiles with meat quality traits in cattle.](#)

Yunxiao Li, Miaosen Yang, Angang Lou, Jinyan Yun, Chunyu Ren, Xiangchun Li, Guangjun Xia, Kichang Nam, Duhak Yoon, Haiguo Jin, Kangseok Seo, Xin Jin.

Scientific Reports 2022 Apr; 12(1):5926.

Application: WB-Ce, Bovine, Bovine pre-adipocytes cells

- [Hormone-sensitive lipase protects adipose triglyceride lipase-deficient mice from lethal lipotoxic cardiomyopathy.](#)

Mika Yamada, Jinya Suzuki, Satsuki Sato, Yasuo Zenimaru, Rie Saito, Tadashi Konoshita, Fredric B Kraemer, Tamotsu Ishizuka.

Journal of Lipid Research 2022 May; 63(5):100194.

Application: WB-Ce, Mouse, Mouse cardiac

- [Palmitate mediated diacylglycerol accumulation causes endoplasmic reticulum stress, Plin2 degradation, and cell death in H9C2 cardiomyoblasts.](#)

Akoumi A, Haffar T, Mousterji M, Kiss RS, Bousette N.

Amino Acids 2017 Mar; 354(2):85.

Application: WB-Ce, Rat, H9c2 cells

- [Cardiac-specific overexpression of perilipin 5 provokes severe cardiac steatosis via the formation of a lipolytic barrier.](#)

Pollak NM, Schweiger M, Jaeger D, Kolb D, Kumari M, Schreiber R, Kolleritsch S, Markolin P, Grabner GF, Heier C, Zierler KA, Rulicke T, Zimmermann R, Lass A, Zechner R, Haemmerle G.

Journal of Lipid Research 2013 Jan; 54(4):1092.

Application: WB-Tr, Mouse, Monkey, COS-7, Mouse cardiac muscle

- [OXPAT/PAT-1 is a PPAR-induced lipid droplet protein that promotes fatty acid utilization.](#)

Wolins NE, Quaynor BK, Skinner JR, Tzekov A, Croce MA, Gropler MC, Varma V, Yao-Borengasser A, Rasouli N, Kern PA, Finck BN, Bickel PE.

Diabetes 2006 Dec; 55(12):3418.

Application: IHC-Fr, WB, Mouse, 3T3-L1 cells, Mouse hearts, livers