Leader in Biomolecular Solutions for Life Science

www.abclonal.com

PLIN5 Rabbit pAb

Catalog No.: A28371

Basic Information

Observed MW
55 kDa

Calculated MW
50 kDa/49 kDa

Category
Primary antibody

Applications
WB,IF-P,IHC-P,ELISA

Cross-Reactivity
Mouse, Rat

Background

Enables identical protein binding activity and lipase binding activity. Involved in several processes, including negative regulation of peroxisome proliferator activated receptor signaling pathway; positive regulation of triglyceride storage; and regulation of lipid metabolic process. Located in cytosol. Colocalizes with lipid droplet. Is expressed in brown fat. Orthologous to human PLIN5 (perilipin 5).

Recommended Dilutions

WB	1:1000 - 1:3000
IF-P	1:100 - 1:300
IHC-P	1:500 - 1:2000
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions (≥1:10000)，a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID
66968

Swiss Prot
Q8BVZ1

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
MLDP; Lsdp5; PAT-1; 2310076L09Rik

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

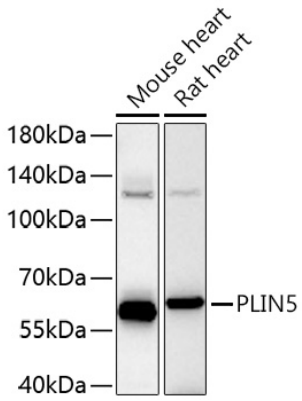
Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% Sodium azide,50% glycerol,pH7.3.

Contact

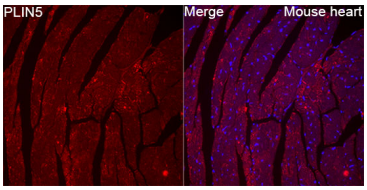
400-999-6126

cn.market@abclonal.com.cn

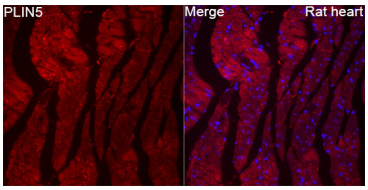
Validation Data



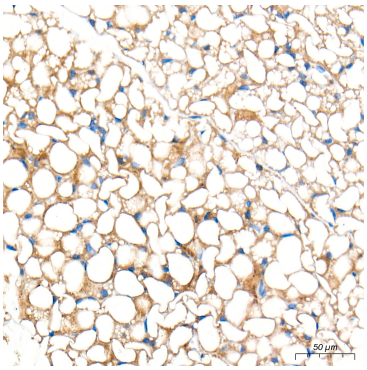
Western blot analysis of various lysates using PLIN5 Rabbit pAb (A28371) at 1:3000 dilution incubated at room temperature for 1.5 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90 s.



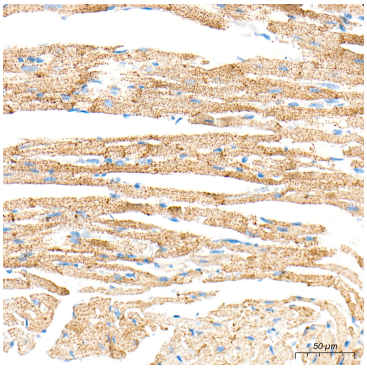
Immunofluorescence analysis of Mouse heart tissue using PLIN5 Rabbit pAb (A28371) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining.



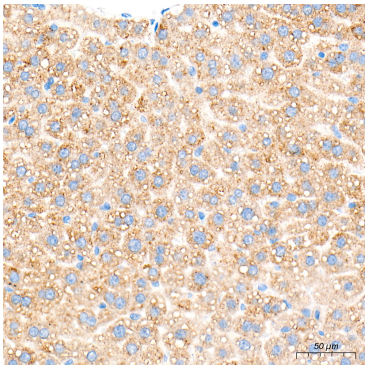
Immunofluorescence analysis of Rat heart tissue using PLIN5 Rabbit pAb (A28371) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining.



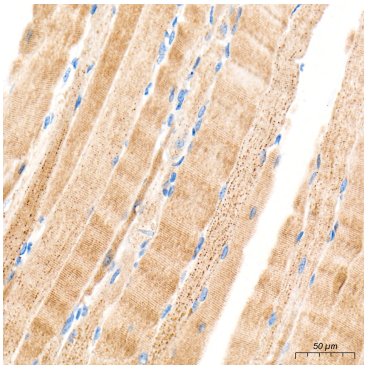
Immunohistochemistry analysis of paraffin-embedded Mouse brown adipose tissue using PLIN5 Rabbit pAb (A28371) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse heart tissue using PLIN5 Rabbit pAb (A28371) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

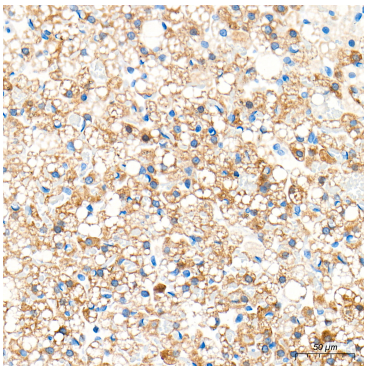


Immunohistochemistry analysis of paraffin-embedded Mouse liver tissue using PLIN5 Rabbit pAb (A28371) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

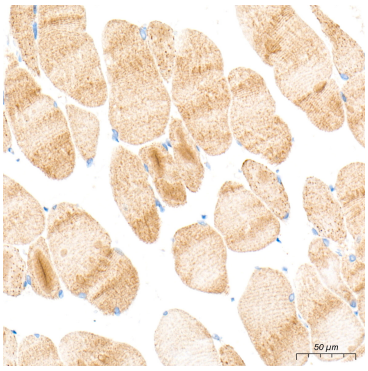


Immunohistochemistry analysis of paraffin-embedded Mouse skeletal muscle tissue using PLIN5 Rabbit pAb (A28371) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

Validation Data



Immunohistochemistry analysis of paraffin-embedded Rat brown adipose tissue using PLIN5 Rabbit pAb (A28371) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat skeletal muscle tissue using PLIN5 Rabbit pAb (A28371) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.