Leader in Biomolecular Solutions for Life Science

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# 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

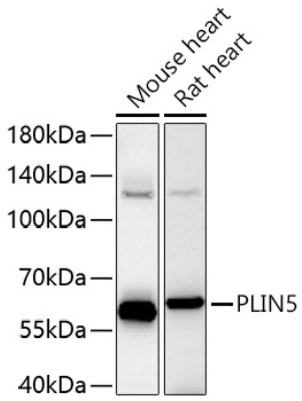
**Storage**
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% Sodium azide,50% glycerol,pH7.3.

## Contact

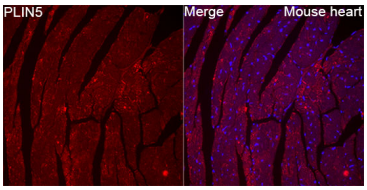

400-999-6126

cn.market@abclonal.com.cn

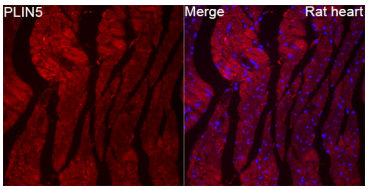
## Validation Data



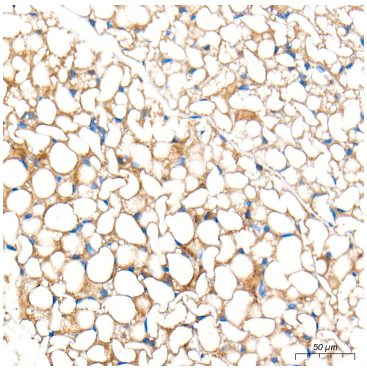

Western blot analysis of various lysates using PLIN5 Rabbit pAb (A28371) at 1:3000 dilution incubated at room temperature for 1.5 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in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



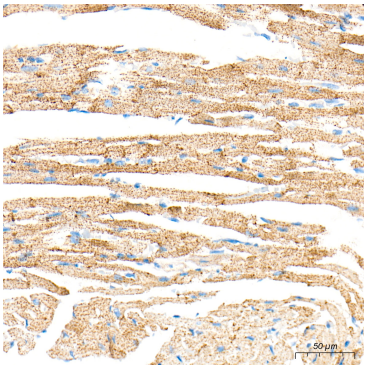

Immunofluorescence analysis of Mouse heart tissue using PLIN5 Rabbit pAb (A28371) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. High pressure antigen retrieval performed with 0.01M Citrate Buffer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



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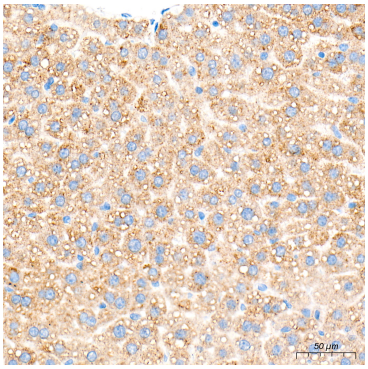
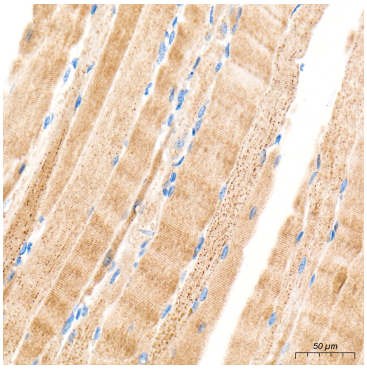
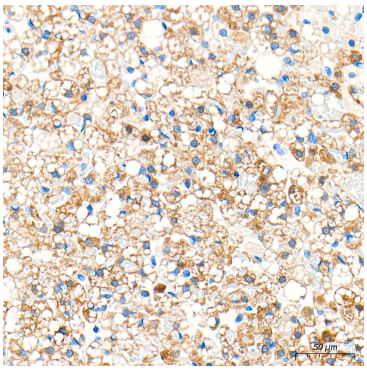


Immunohistochemistry analysis of paraffin-embedded Mouse liver tissue using PLIN5 Rabbit pAb (A28371) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

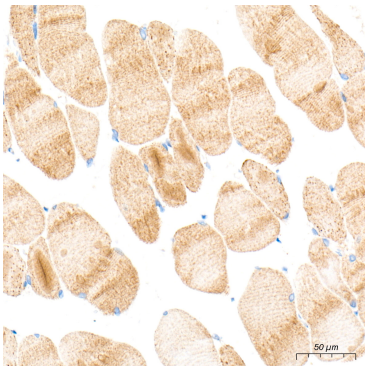


Immunohistochemistry analysis of paraffin-embedded Mouse skeletal muscle tissue using PLIN5 Rabbit pAb (A28371) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

## 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.