

Perilipin-1 Rabbit mAb

Catalog No.: A30000**Recombinant**

Basic Information

Observed MW

62 kDa(Perilipin-1-A)/52 kDa(Perilipin-1-B)

Calculated MW

56 kDa

Category

Monoclonal Antibodies

Applications

WB, IP, IF/ICC, IF-F, IHC-P, ELISA

Cross Reactivity

Human, Mouse

Clone No.

ARC4295

Background

The protein encoded by this gene coats lipid storage droplets in adipocytes, thereby protecting them until they can be broken down by hormone-sensitive lipase. The encoded protein is the major cAMP-dependent protein kinase substrate in adipocytes and, when unphosphorylated, may play a role in the inhibition of lipolysis. Alternatively spliced transcript variants varying in the 5' UTR, but encoding the same protein, have been found for this gene.

Recommended Dilutions

WB 1:3000-1:15000**IP**

0.5 µg - 4 µg antibody for 200 µg - 400 µg extracts of whole cells

IF/ICC 1:600 - 1:2400**IF-F** 1:600 - 1:2400**IHC-P** 1:1000 - 1:4000**ELISA**

Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions ($\geq 1:10000$), a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID

5346

Swiss-Prot

O60240

Immunogen

This information is considered to be commercially sensitive.

Synonyms

PERI; PLIN; FPLD4; Perilipin A

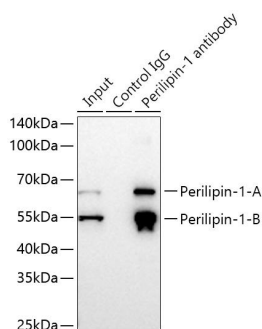
Contact

☎		400-999-6126
✉		cn.market@abclonal.com.cn
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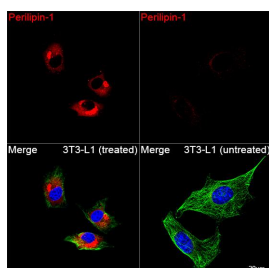
Product Information

Source	Isotype	Purity
Rabbit	IgG	Affinity purification
Storage		
Store at -20°C		

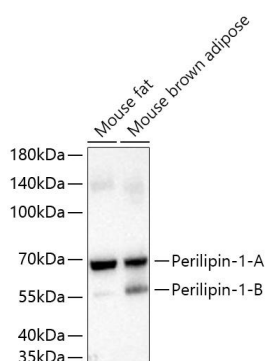
Validation Data



Immunoprecipitation of Perilipin-1 from 300 µg extracts of 3T3-L1 cell differentiated for 4 days performed using 1 µg of Perilipin-1 Rabbit mAb (A30000). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using Perilipin-1 Rabbit mAb (A30000) at a dilution of 1:10000.



Confocal imaging of differentiated 3T3-L1 cells and 3T3-L1 cells using Perilipin-1 Rabbit mAb (A30000, dilution 1:600) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) (AS037, dilution 1:800) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Western blot analysis of various lysates using Perilipin-1 Rabbit mAb (A30000) at 1:6000 dilution incubated overnight at 4°C.

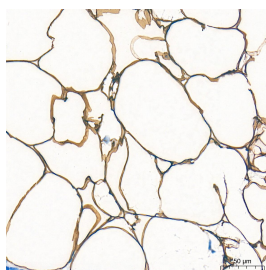
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

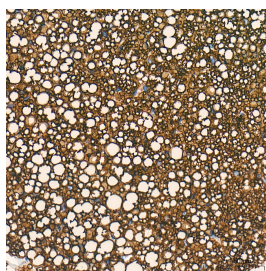
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

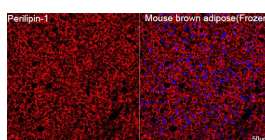
Exposure time: 1 s.



Immunohistochemistry analysis of paraffin-embedded Human fat tissue using Perilipin-1 Rabbit mAb (A30000) at a dilution of 1:1300 (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 brown adipose tissue using Perilipin-1 Rabbit mAb (A30000) at a dilution of 1:1300 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Confocal imaging of frozen sections of Mouse brown adipose tissue using Perilipin-1 Rabbit mAb (A30000, dilution 1:600) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.