

Perilipin A Monoclonal Antibody

CAB4758

Description

This Perilipin A Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Product Information

SKU: CAB4758
Contents: 20 µL, 100 µL
Bradford Reagent: 1 vial (2ml)
Category: Monoclonal Antibody
Synonyms: PERI, PLIN, FPLD4, Perilipin A
Clone: ARC1122
Applications: **WB** | **IHC-P** | **ELISA** | **IF-P**
Conjugation: Unconjugated
Reactivity: Mouse, Rat

Antibody Data

Gene ID: 5346
Uniprot: AB_2863342
Host Species: Rabbit
Purification: Affinity purification
Observed MW: 70 kDa
Calculated MW: 56 kDa

Preparation & Storage

Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

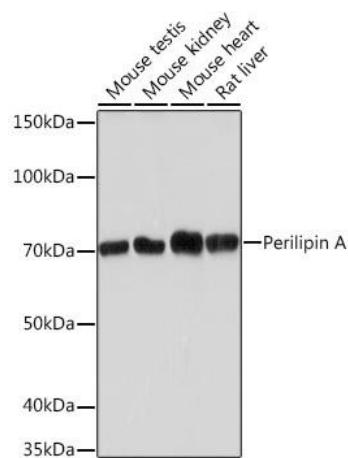
Positive Sample: Mouse mammary gland, Rat fat

Recommended Dilutions:

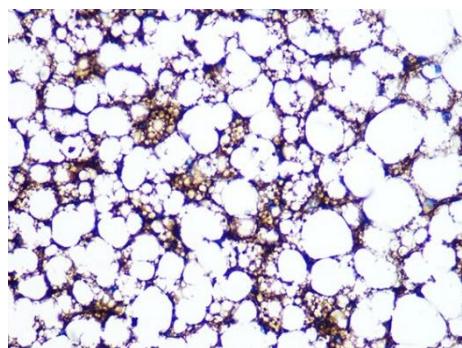
WB	1:500 - 1:1000
IF-P	1:100 - 1:400
IHC-P	1:100 - 1:1000
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

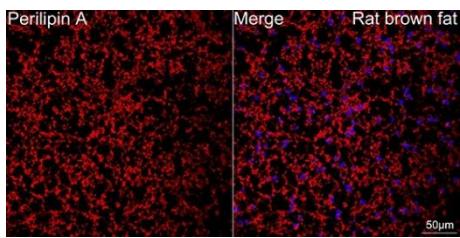
Validation Data



Western blot analysis of various lysates using Perilipin A Rabbit mAb (CAB4758) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 3min.



Immunohistochemistry analysis of paraffin-embedded Rat brown adipose using Perilipin A Rabbit mAb (CAB4758) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Confocal imaging of paraffin-embedded Rat brown fat tissue using Perilipin A Rabbit mAb (CAB4758, dilution 1:100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (CABS007, dilution 1:500)(Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.