ADRP/Perilipin 2 Polyclonal ANTIBODY
Catalog Number: 15294-1-AP

Basic Information
Catalog Number: 15294-1-AP
Size: 52 μg/150 μl
Source: Rabbit
Isotype: IgG
Purification Method: Antigen affinity purification
Immunogen Catalog Number: AG7539

Recommended Dilutions:
WB: 1:1000-1:4000
IHC: 1:200
IF: 1:200-1:200

GenBank Accession Number: BC005127
GeneID (NCBI): 123

Full Name: adipose differentiation-related protein
Calculated MW: 48 kDa
Observed MW:

Applications
Tested Applications: IF, IHC, WB, ELISA
Cited Applications: IF, IHC, WB
Species Specificity: human, mouse, rat
Cited Species: human, rat

Background Information
ADRP (adipocyte differentiation related protein) also known as ADFP, adipophilin, or perilipin-2, is a member of the PAT family which is responsible for the transportation of lipids and the formation of lipid droplets. ADRP is localized on the surface of lipid droplets in a variety of tissues and cell lines. ADRP is not detected in undifferentiated cells but increases rapidly to high levels when adipocyte precursors differentiate into adipocytes. Anti-ADRP antibody is a reliable and sensitive marker for lipid droplet. Enhanced expression of ADRP is linked to diseases with abnormal lipid storage, including hepatic steatosis, atherosclerosis and diabetes. Immunohistochemistry of ADRP may facilitate histomorphological diagnosis of these diseases.

Notable Publications
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<th>Author</th>
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<tr>
<td>Nina Graffmann</td>
<td>27303845</td>
<td>Stem Cells Dev</td>
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<td>Magdalene K Montgomery</td>
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<td>Motoki Kai</td>
<td>28500910</td>
<td>J Surg Res</td>
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Storage
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer: PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage.

For technical support and original validation data for this product please contact:
T: 1 (888) 4PROTLAB (1-888-478-4522) (toll free in USA), or (312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
Immunofluorescent analysis of (-20°C ethanol) fixed and treated HeLa cells using 15294-1-AP (ADRP/Perilipin 2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).

Transfected HEK293 cells were subjected to SDS-PAGE followed by western blot with 15294-1-AP (ADRP/Perilipin 2 antibody at dilution of 1:2000 incubated at room temperature for 1.5 hours.

Immunohistochemical of paraffin-embedded human liver using 15294-1-AP (ADRP/Perilipin 2 antibody) at dilution of 1:50 (under 40x lens).

Immunohistochemical of paraffin-embedded human liver using 15294-1-AP (ADRP/Perilipin 2 antibody) at dilution of 1:50 (under 10x lens).