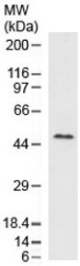
Recombinant Perilipin 2 Antibody / PLIN2 / Adipophilin / ADRP [clone ADPN1-2R] (V3974)

Catalog No.	Formulation	Size
V3974-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3974-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3974SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V3974IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

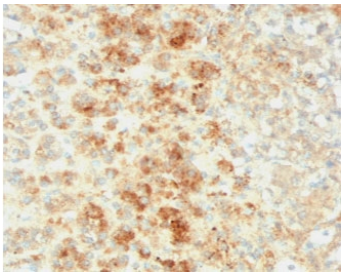
Recombinant RABBIT MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human. Others not tested.
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	ADPN1-2R
Purity	Protein A affinity chromatography
UniProt	Q99541
Localization	Cytoplasmic
Applications	Immunohistochemistry (FFPE): 1-2ug/ml Prediluted IHC only format: incubate for 30 min at RT (1) Western blot: 1-2ug/ml
Limitations	This recombinant Perilipin 2 antibody is available for research use only.



Perilipin 2 Antibody Human Liver Lysate WB. Western blot testing of human liver lysate with recombinant Perilipin 2 antibody (clone ADPN1-2R). Predicted molecular weight ~48 kDa.



IHC testing of FFPE human adrenal tissue with recombinant Perilipin 2 antibody (clone ADPN1-2R). Required HIER: steam sections in pH6, 10mM citrate buffer for 10-20 min.

Description

Adipophilin, also called Perilipin 2 Antibody and PLIN2, is a lipid-associated protein that localizes to intracellular lipid droplets and regulates lipid homeostasis. The protein encoded by this gene belongs to the perilipin family, members of which coat intracellular lipid storage droplets. This protein is associated with the lipid globule surface membrane material, and maybe involved in development and maintenance of adipose tissue. However, it is not restricted to adipocytes as previously thought, but is found in a wide range of cultured cell lines, including fibroblasts, endothelial and epithelial cells, and tissues, such as lactating mammary gland, adrenal cortex, Sertoli and Leydig cells, and hepatocytes in alcoholic liver cirrhosis, suggesting that it may serve as a marker of lipid accumulation in diverse cell types and diseases. Alternatively spliced transcript variants have been found for this gene.

This Recombinant Perilipin 2 Antibody complements a related Adipophilin antibody targeting ADRP, PLIN2, and Perilipin 2.

Application Notes

Titering of the recombinant Perilipin 2 antibody may be required for optimal performance.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

A portion of amin acids 249-376 from the human protein were used as the immunogen for this recombinant Perilipin 2 antibody.

Storage

The recombinant Perilipin 2 antibody (with azide) can be stored at 2-8oC. The azide-free format should be aliquoted and stored at -20oC or colder.

Copyright © NSJ Bioreagents. All rights reserved.