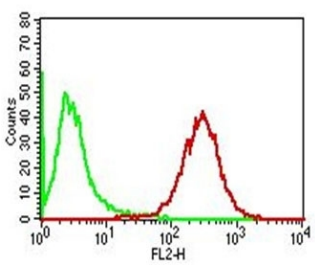
Adipophilin Antibody [clone ADFP/1365] (V7686)

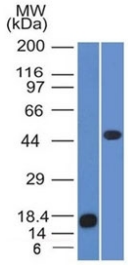
Catalog No.	Formulation	Size
V7686-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7686-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7686SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

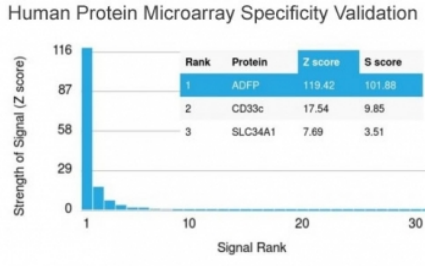
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	ADFP/1365
Purity	Protein G affinity chromatography
UniProt	Q99541
Localization	Cytoplasmic
Applications	ELISA (order BSA-free Format For Coating) : Flow Cytometry : 1-2ug/10^6 cells in 0.1ml Western Blot : 1-2ug/ml
Limitations	This Adipophilin antibody is available for research use only.



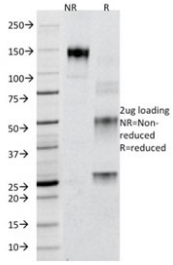
Flow cytometry testing of permeabilized human PMBC with Adipophilin antibody (clone ADFP/1365); Red=isotype control, Blue= Adipophilin antibody.



Western blot testing of a recombinant partial protein (immunogen, left) and human Jurkat cell lysate (right) with Adipophilin antibody (clone ADFP/1365). Predicted/observed molecular weight ~48 kDa.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using Adipophilin antibody (clone ADFP/1365). These results demonstrate the foremost specificity of the ADFP/1365 mAb.
Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



SDS-PAGE analysis of purified, BSA-free Adipophilin antibody (clone ADFP/1365) as confirmation of integrity and purity.

Description

Recognizes a protein of 48kDa, which is identified as Adipophilin. It 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.

Application Notes

Optimal dilution of the Adipophilin antibody should be determined by the researcher.

Immunogen

A human recombinant partial protein (amino acids 249-376) was used as the immunogen for this Adipophilin antibody.

Storage

Store the Adipophilin antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).