

36-2096: Anti-Adipophilin / Perilipin-2 (Marker of Lipid Accumulation) Monoclonal Antibody (Clone: ADFP/1365)

Clonality :	Monoclonal
Clone Name :	ADFP/1365
Application :	ELISA, FACS, WB
Reactivity :	Human
Gene :	PLIN2
Gene ID :	123
Uniprot ID :	Q99541
Alternative Name :	Adipophilin; ADFP; Adipose differentiation-related protein (ADRP); Perilipin-2 (PLIN2)
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Recombinant fragment (around aa 249-376) of human Adipophilin (ADFP) protein (exact sequence is proprietary)

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.

Product Info

Amount :	20 µg / 100 µg
Content :	200µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months.

Application Note

ELISA (For coating, order Ab without BSA); Flow Cytometry (1-2ug/million cells); Western Blot (1-2ug/ml);

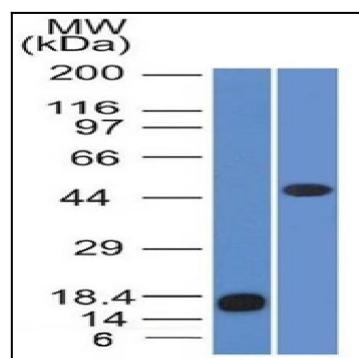


Fig.1: Western Blot of recombinant Adipophilin and Jurkat cell lysate using Adipophilin Mouse Monoclonal Antibody (ADFP/1365).

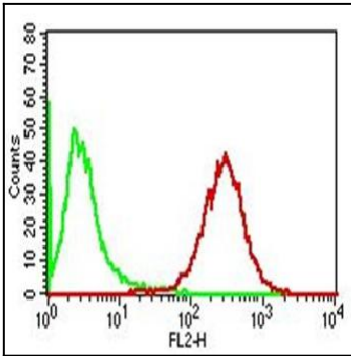


Fig. 2: Flow Cytometry of human Adipophilin on PBMC. Green: Isotype Control; Red: Adipophilin Monoclonal Antibody (ADFP/1365).

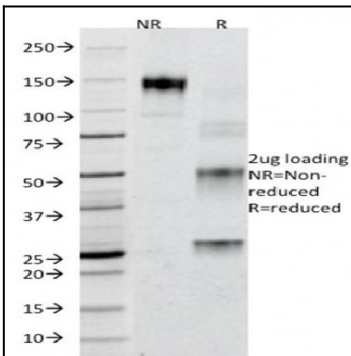


Fig. 3: SDS-PAGE Analysis Purified Adipophilin Mouse Monoclonal Antibody (ADFP/1365). Confirmation of Purity and Integrity of Antibody.

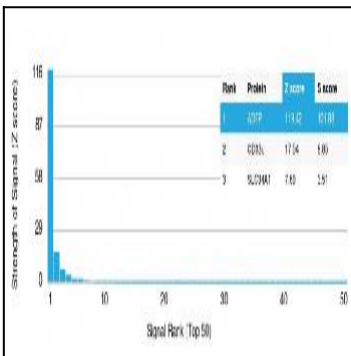


Fig. 4: Analysis of Protein Array containing more than 19,000 full-length human proteins using Adipophilin Mouse Monoclonal Antibody (ADFP/1365). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.