Adipophilin / Perilipin-2 (Marker of Lipid Accumulation) Antibody

Mouse Monoclonal Antibody [Clone ADFP/1365]

Catalog No	Format	Size
123-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
123-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
123-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

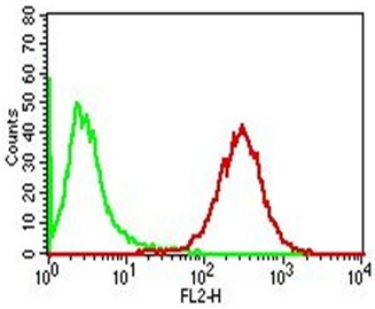
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Western Blot (WB)	2-4ug/ml	

Product Details

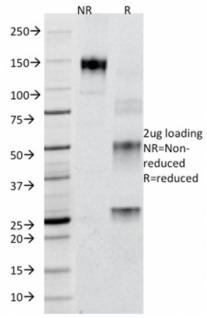
Clone	ADFP/1365
Gene Name	PLIN2
Immunogen	Recombinant fragment (around aa 249-376) of human Adipophilin (ADFP) protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	48kDa
Cellular Localization	Lipid droplet, Membrane
Species Reactivity	Human
Positive Control	Adrenal gland or Cerebellum., HepG2 or JAR cells. Liver

**Optimal dilution for a specific application should be determined.*

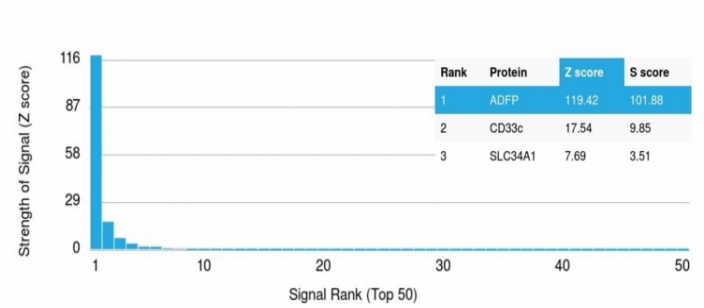
Product Images for Adipophilin / Perilipin-2 (Marker of Lipid Accumulation) Antibody



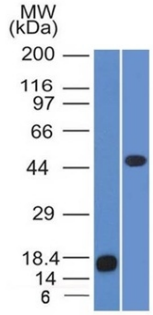
Flow Cytometry of human Adipophilin on PBMC. Green: Isotype Control; Red: Adipophilin Monoclonal Antibody (ADFP/1365).



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



Analysis of Protein Array containing more than 19,000 full-length human proteinsusing 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 HuProtTM 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 HuProtTM 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 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.



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

Specificity & Comments

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.

Supplied As

200ug/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 and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.