

Mouse anti-Human Adipophilin/Perilipin-2 Antibody | anti-PLIN2 antibody

Adipophilin/Perilipin-2 (Marker of Lipid Accumulation)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA214897	Mouse	Human	Immunohistochemistry

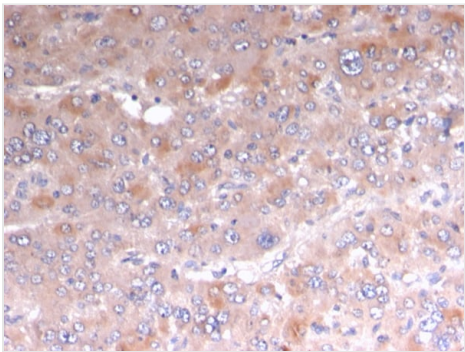
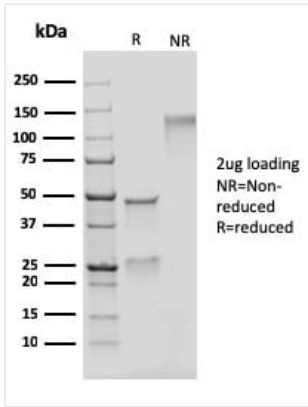
PRODUCT SYNONYMS

Adipophilin/Perilipin-2; Adipophilin/Perilipin-2 (Marker of Lipid Accumulation); Adipophilin; ADFP; Adipose differentiation-related protein (ADRP); Perilipin-2 (PLIN2); anti-PLIN2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Isotype	IgG1, kappa
Clone Number	rADFP/1493
Specificity	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.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	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.
Sequence Length	437
Applicable Applications for anti-PLIN2 antibody	IHC (Immunohistochemistry)
Positive Control	Liver, adrenal gland or cerebellum (IHC).
Immunogen	Recombinant fragment (around aa 249-376) of human Adipophilin (ADFP) protein (exact sequence is proprietary)
Cellular Localization	Lipid droplet, Membrane
Antibody Type	Recombinant Mouse Monoclonal Antibody
Research Area	Cardiovascular
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Adrenal stained with Adipophilin Recombinant Mouse Monoclonal Antibody (rADFP/1493).

SDS-PAGE
SDS-PAGE Analysis Purified Adipophilin Recombinant Mouse Monoclonal Antibody (rADFP/1493). Confirmation of Integrity and Purity of Antibody.

ADDITIONAL INFORMATION

References	Kern, P.A., et al. 2004. Perilipin expression in human adipose tissue is elevated with obesity. J. Clin. Endocrinol. Metab. 89: 1352-1358
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NCBI AND UNIPROT INFORMATION

NCBI GI #	34577059
NCBI GeneID	123
NCBI Accession #	NP_001113.2
NCBI GenBank Nucleotide #	NP_001113.2
UniProt Accession #	Q99541
Molecular Weight	48kDa
NCBI Official Full Name	perilipin-2
NCBI Official Synonym Full Names	perilipin 2
NCBI Official Symbol	PLIN2
NCBI Official Synonym Symbols	ADFP; ADRP
NCBI Protein Information	perilipin-2
UniProt Protein Name	Perilipin-2
UniProt Gene Name	PLIN2
UniProt Synonym Gene Names	ADFP; ADRP
UniProt Entry Name	PLIN2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.