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Anti-Adipophilin Antibody

Catalog # AP96007

Product Information

Application	WB, IHC, FC, IF/IC
Primary Accession	Q99541
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	48075

Additional Information

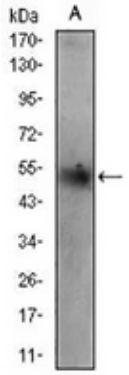
Gene ID	123
Other Names	ADFP; Perilipin-2; Adipophilin; Adipose differentiation-related protein; ADRP
Target/Specificity	Recombinant fusion protein of human Adipophilin expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~FC (1/100 - 1/200) IF/IC~~N/A
Format	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

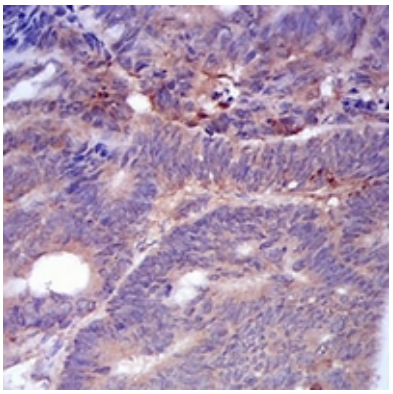
Protein Information

Name	PLIN2 (HGNC:248)
Synonyms	ADFP
Function	Structural component of lipid droplets, which is required for the formation and maintenance of lipid storage droplets.
Cellular Location	Membrane {ECO:0000250|UniProtKB:P43883}; Peripheral membrane protein {ECO:0000250|UniProtKB:P43883}. Lipid droplet
Tissue Location	Milk lipid globules..

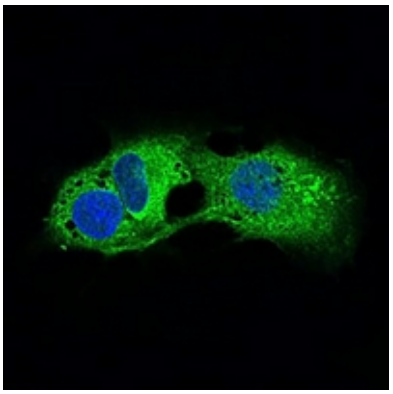
Images

Western blot analysis of Adipophilin expression in HepG2 (A) whole cell lysates. (Predicted band size: 48 kD; Observed band size: 50 kD)

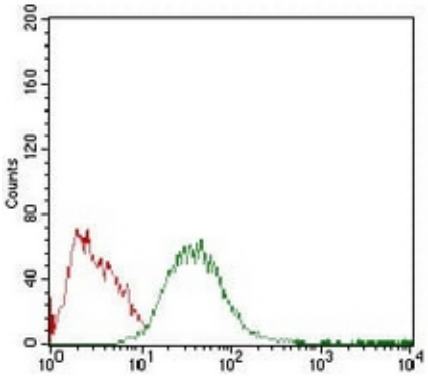




Immunohistochemical analysis of Adipophilin staining in human rectum cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of Adipophilin staining in HepG2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



Flow cytometric analysis of HepG2 cells using Anti-Adipophilin Antibody (green) and negative control (red).