

## Anti-Adipophilin / Perilipin-2 (Marker of Obesity) Monoclonal Antibody

Catalog Number: M04328

### About PLIN2

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.

### Overview

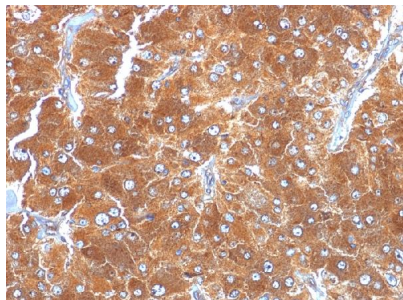
|                      |   |
|----------------------|---|
| Product Name         | Anti-Adipophilin / Perilipin-2 (Marker of Obesity) Monoclonal Antibody  |
| Reactive Species     | Human   |
| Description          | Boster Bio Anti-Adipophilin / Perilipin-2 (Marker of Obesity) Monoclonal Antibody (Catalog # M04328). Tested in ELISA, IHC applications. This antibody reacts with Human. |
| Conjugate            | Biotin  |
| Application          | ELISA, IHC  |
| Clonality            | Monoclonal Clone: ADFP/1494   |
| Formulation          | Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.  |
| Storage Instructions | 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.               |
| Host                 | Mouse   |
| Uniprot ID           | Q99541  |

### Technical Details

|                            |  |
|----------------------------|--|
| Immunogen                  | Recombinant fragment (around aa 249-376) of human Adipophilin (ADFP) protein (exact sequence is proprietary) |
| Predicted Reactive Species | Pig, Rabbit  |
| Cross Reactivity           | Does not cross-react with primate, avian or amphibian GR.  |
| Isotype                    | IgG2b, lambda  |
| Form                       | Liquid   |
| Concentration              | Purified antibody with BSA and azide at 200ug/ml   |

|                     |   |
|---------------------|---|
| Purification        | 200ug/ml of antibody purified from Bioreactor Concentrate by Protein A/G.   |
| Suggested Dilutions | <p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>ELISA (For coating, order antibody without BSA)</p> <p>Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT) (Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&amp;degC followed by cooling at RT for 20 minutes)</p> <p>Optimal dilution for a specific application should be determined.</p> |

## Anti-Adipophilin / Perilipin-2 (Marker of Obesity) Monoclonal Antibody (M04328) Images



Formalin-fixed, paraffin-embedded human Adrenal stained with Anti-Adipophilin Mouse Monoclonal Antibody (ADFP/1494).

### 1 Publications Citing This Product

1. PubMed ID: 10.1007/s10059-009-0120-1, Proteomic analysis of the triglyceride-rich lipoprotein-laden foam cells

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