



# Anti-Adipophilin (N-terminal) polyclonal antibody (DPAB2383GH)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                            |  |
|----------------------------|--|
| <b>Product Overview</b>    | Polyclonal Antibody to Adipophilin   |
| <b>Antigen Description</b> | The protein encoded by this gene 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. Alternatively spliced transcript variants have been found for this gene. |
| <b>Specificity</b>         | Adipophilin / ADRP (a member of the PAT family) is a ubiquitous component of lipid droplets. It has been found in milk fat globule membranes and on the surface of lipid droplets in various cultured cell lines (see e.g. Heid et al.; for review see e.g. Tar  |
| <b>Immunogen</b>           | Synthetic peptide (N-terminal aa 1-29 of human and murine adipophilin)   |
| <b>Source/Host</b>         | Guinea pig   |
| <b>Species Reactivity</b>  | N/A  |
| <b>Conjugate</b>           | Unconjugated   |
| <b>Applications</b>        | IB, IHC-Fr, IHC (PFA fIXed)  |
| <b>Format</b>              | Whole antiserum  |
| <b>Size</b>                | 100 µl   |
| <b>Preservative</b>        | None   |

Storage

At 2-8°C

## GENE INFORMATION

|                     |  |
|---------------------|--|
| Gene Name           | <a href="#">PLIN2 perilipin 2 [ Homo sapiens ]</a>   |
| Official Symbol     | PLIN2  |
| Synonyms            | PLIN2; perilipin 2; ADFP; ADRP; adipose differentiation-related protein; adipophilin; Perilipin-2; Adipophilin; Adipose differentiation-related protein; perilipin-2; MGC1059; OTTHUMP00000021107  |
| Entrez Gene ID      | <a href="#">123</a>  |
| Protein Refseq      | <a href="#">NP_001113</a>  |
| UniProt ID          | <a href="#">Q6FHZ7</a>   |
| Chromosome Location | 9p22.1   |
| Pathway             | Adipogenesis; Fatty acid, triacylglycerol, and ketone body metabolism; HIF-1-alpha transcription factor network; Metabolism of lipids and lipoproteins; Regulation of Lipid Metabolism by Peroxisome proliferator-activated receptor alpha (PPARalpha) |
| Function            | cellular lipid metabolic process; lipid storage; long-chain fatty acid transport; response to drug; response to organic cyclic compound  |