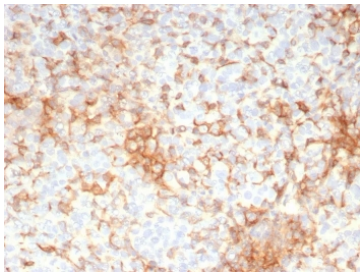
# Adipose differentiation-related protein Antibody / ADRP / Adipophilin / Perilipin 2 [clone rADFP/9321] (V5613)

| Catalog No. | Formulation | Size |
|---|---|---|
| V5613-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V5613-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug |
| V5613SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

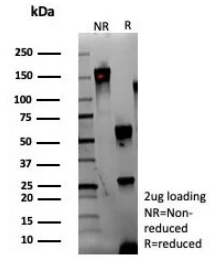
Recombinant MOUSE MONOCLONAL

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Mouse |
| **Clonality** | Recombinant Mouse Monoclonal |
| **Isotype** | Mouse IgG2b, kappa |
| **Clone Name** | rADFP/9321 |
| **Purity** | Protein A/G affinity |
| **UniProt** | Q99541 |
| **Localization** | Cytoplasm |
| **Applications** | Immunohistochemistry (FFPE) : 1-2ug/ml |
| **Limitations** | This Adipose differentiation-related protein antibody is available for research use only. |



Adipose differentiation-related protein Antibody Human Adrenal Glane IHC. Immunohistochemistry staining of FFPE human adrenal gland tissue with Adipose differentiation-related protein antibody (clone rADFP/9321). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.




SDS-PAGE analysis of purified, BSA-free Adipose differentiation-related protein antibody (clone rADFP/9321) as confirmation of integrity and purity.

## Description

Adipose differentiation-related protein (ADRP), also known as PLIN2 or Adipophilin, is a lipid droplet-associated protein that regulates intracellular lipid storage and metabolism. Adipose differentiation-related protein Antibody 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.

This Adipose differentiation-related protein Antibody complements a related Adipophilin antibody targeting ADRP, PLIN2, and Perilipin 2.

## Application Notes

Optimal dilution of the Adipose differentiation-related protein antibody should be determined by the researcher.

## Immunogen

A recombinant fragment (within amino acids 249-376) of human Adipophilin protein was used as the immunogen for the Adipose differentiation-related protein antibody.

## Storage

Aliquot the Adipose differentiation-related protein antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.