

**Rabbit Anti-Adipophilin/ADFP/PLIN2 Polyclonal: RC0328RTU7**

**Intended Use:** For Research Use Only

**Description:** Adipophilin (ADFP, adipocyte differentiation-related protein) is a peripheral membrane located in milk lipid globules. Adipophilin is involved in the development and maintenance of adipose tissue. Adipophilin, previously believed to be specific to adipocytes, is a major constituent of the globule surface and is present in a detergent-insoluble complex that contains stoichiometric amounts of butyrophilin and xanthine oxidase. Adipophilin is expressed in a wide range of cell lines, including fibroblasts, endothelial and epithelial cells. In tissues, it is restricted to certain cell types, such as lactating mammary epithelial cells, adrenal cortex cells, Sertoli and Leydig cells of the male reproductive system, and steatosis or fatty hepatocytes in alcoholic liver cirrhosis. Adipophilin is a possible new marker for the identification of specialized differentiated cells containing lipid droplets and for diseases associated with fat-accumulating cells.

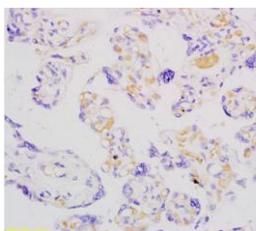
**Specifications:**

Clone: Polyclonal  
Source: Rabbit  
Isotype: IgG  
Reactivity: Human  
Localization: Cytoplasm, membrane  
Formulation: Antibody in PBS pH7.4, containing BSA and  $\leq 0.09\%$  sodium azide (NaN<sub>3</sub>)  
Storage: Store at 2°- 8°C  
Applications: IHC, IF, WB  
Package:

Description	Catalog No.	Size
Adipophilin/ADFP/PLIN2 Prediluted	RC0328RTU7	1 ml

**IHC Procedure\*:**

Positive Control Tissue: Liver, Adrenal gland or Cerebellum, HepG2 or JAR cells  
Concentrated Dilution: Prediluted  
Pretreatment: Citrate pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C  
Incubation Time and Temp: 30-60 minutes @ RT  
Detection: Refer to the detection system manual  
\* Result should be confirmed by an established diagnostic procedure.



FFPE human placenta stained with anti-Adipophilin using DAB

**References**

1. Characterization of the platelet-derived growth factor receptor- $\alpha$ -positive cell lineage during murine late lung development. Ntokou A, et al. Am J Physiol Lung Cell Mol Physiol 309:L942-58, 2015.
2. Evidence for the involvement of fibroblast growth factor 10 in lipofibroblast formation during embryonic lung development. Al Alam D, et al. Development 142:4139-50, 2015.
3. Lipin-1 contributes to modified low-density lipoprotein-elicited macrophage pro-inflammatory responses. Navratil AR, et al. Atherosclerosis 242:424-32, 2015.
4. Actin filament-associated protein 1 is required for cSrc activity and secretory activation in the lactating mammary gland. Cunnick JM, et al. Oncogene 0:N/A, 2014.

Doc. 100-RC0328  
Rev. A

Orders: [customercare@medaysis.com](mailto:customercare@medaysis.com) Support: [techsupport@medaysis.com](mailto:techsupport@medaysis.com) Tel: 877-524-9167 [www.medaysis.com](http://www.medaysis.com)

© Medaysis Company