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Adipophilin, human, recombinant protein

Adipose differentiation-related protein, ADRP, ADFP, MGC10598.
Catalog # PBV10329r

Specification

Adipophilin, human, recombinant protein - Product info

Primary Accession	Q99541
Calculated MW	49.0 kDa KDa

Adipophilin, human, recombinant protein - Additional Info

Gene ID	123
Gene Symbol	PLIN2

Other Names
Adipose differentiation-related protein, ADRP, ADFP, MGC10598, Perilipin-2

Gene Source	Human
Source	E. coli
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	HPLC;
Recombinant	Yes

Target/Specificity
Adipophilin

Application Notes
Add de-ionized H_2O to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

Format
Lyophilized protein

Storage
-20°C; Lyophilized from 0.5 mg/ml solution containing 20mM Tris pH 7.5, and 20 mM NaCl,

Adipophilin, human, recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Adipophilin, human, recombinant protein - Images

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Adipophilin, human, recombinant protein - Background

Adipophilin is a 49 kDa protein that belongs to the PAT family (perilipin, adipophilin, TIP47, S3-12 and OXPAT), which comprises proteins involved in the coating of lipid droplets. ADFP is expressed in lipid droplets of vitamin A-storing hepatic stellate cells and additionally in lipid droplets of steatotic hepatocytes. ADFP expression has a role in clear cell renal carcinoma differentiation. Most recently, it has been discovered that patients with kidney cancers had high levels of ADFP in their urine, suggesting that ADFP could be an excellent marker for kidney cancer.

Adipophilin, human, recombinant protein - References

Heid H.W.,et al.Biochem. J. 320:1025-1030(1996).
Tangkeangsirisin W.,et al.Submitted (NOV-2001) to the EMBL/GenBank/DDBJ databases.
Burkard T.R.,et al.BMC Syst. Biol. 5:17-17(2011).
Bienvenut W.V.,et al.Mol. Cell. Proteomics 11:M111.015131-M111.015131(2012).
Van Damme P.,et al.Proc. Natl. Acad. Sci. U.S.A. 109:12449-12454(2012).