OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for BP5012

ADFP (PLIN2) (N-term) Guinea Pig Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	**Immunoblotting (Western blot):** 1/2000. **Immunohistochemistry on Frozen Sections:** 1/100 (See Ref.11 for staining protocols). **Immunohistochemistry on Paraffin Sections:** 1/100 using microwave treatment (*See* Ref.13 for staining protocols). **Cytological Material.** ***Incubation Time***: 1 h at RT or overnight at 2-8°C.
Reactivity:	Bovine, Canine, Human, Mouse, Rat
Host:	Guinea Pig
Clonality:	Polyclonal
Immunogen:	Synthetic peptide (N-terminal aa 1-29 of Human and Murine Adipophilin).
Specificity:	Specific for Adipophilin / ADRP, MW 48,100 (calculated from aa sequence data); apparent Mr 52,000 (after SDSPAGE); pI 6.72. **Tissue Immunolocalization:** Adipophilin is positively detected in the glandular cells of lactating mammary gland (ductal cells are negative), zona fasciculata of the adrenal gland, Sertoli cells of the testis, and in fat-accumulating hepatocytes of alcoholic cirrhotic fatty liver; adipocytes are negative. Also positively stained are lipid-storing CD 68-positive macrophages. **Tested Reactivities on Cultured Cell Lines:** Caco, PLC, HaCat, SV80, RD 125, Huvec (Human umbilical cord endothelia), RV, PC-12 (rat adrenal gland), MDCK. ***Negative*** with glioma.
Formulation:	State: Serum State: Whole Antiserum Preservative: 0.09% Sodium Azide
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	perilipin 2

View online »

Database Link: Entrez Gene 123 Human
Q99541

Background: 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. Targett-Adams et al.); inducible by etomoxir. Enhanced expression of Adipophilin / ADRP is a useful marker for pathologies characterized by increased lipid droplet accumulation. Such diseases include atheroma, steatosis, obesity and certain cases of liposarcoma. It also seems to be a potent marker for atherosclerosis. ADRP can also be used to study the virus entry of e.g. HCV via lipid droplets (see e.g. Hope et al.).

Synonyms: Adipose differentiation-related protein, ADRP