

bs-1164R**[Primary Antibody]****BioSS**
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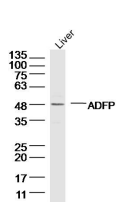
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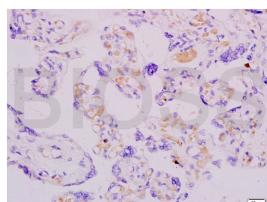
400-901-9800

Perilipin-2 Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		IHC-P (1:100-500)
GeneID: 123	SWISS: Q99541	IHC-F (1:100-500)
Target: Perilipin-2		IF (1:100-500)
Immunogen: KLH conjugated synthetic peptide derived from human ADFP: 31-130/422.		Reactivity: Human, Mouse (predicted: Rat)
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Predicted MW.: 48 kDa
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		Subcellular Location: Cytoplasm
Background: 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. [provided by RefSeq, Mar 2011]		

— VALIDATION IMAGES —

Sample: Liver (Mouse) Lysate at 40 ug Primary:
Anti-ADFP (bs-1164R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at
1/20000 dilution Predicted band size: 48 kD
Observed band size: 48 kD



Tissue/cell: human placenta tissue; 4%
Paraformaldehyde-fixed and paraffin-
embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block
endogenous peroxidase by 3% Hydrogen
peroxide for 30min; Blocking buffer (normal goat
serum, C-0005) at 37°C for 20 min; Incubation:
Anti-ADFP Polyclonal Antibody,
Unconjugated(bs-1164R) 1:200, overnight at 4°C,
followed by conjugation to the secondary
antibody(SP-0023) and DAB(C-0010) staining

— SELECTED CITATIONS —

- **[IF=8.47]** Amrutkar, Manoj, et al. "Genetic Disruption of Protein Kinase STK25 Ameliorates Metabolic Defects in a Diet-Induced Type 2 Diabetes Model." *Diabetes* (2015). Other ;="Mouse". 25845663
- **[IF=7.097]** Yilan Shen et al. VEGF-B antibody and interleukin-22 fusion protein ameliorates diabetic nephropathy through inhibiting lipid accumulation and inflammatory responses. *IF ;mouse*. 10.1016/j.apsb.2020.07.002

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- **[IF=3.7]** Lei Zhang, et al. Effect of Rab18 on liver injury and lipid accumulation by regulating perilipin 2 and peroxisome proliferator-activated receptor gamma in non-alcoholic fatty liver disease. J GASTROEN HEPATOL. 2024 Jul; ICC ;Mouse. 39030773
- **[IF=2.2]** Liu et al. Oxidized low-density lipoprotein activates adipophilin through ERK1/2 signal pathway in RAW264.7 cells. (2010) Acta.Biochim.Biophys.Sin.(Shanghai. 42:635-45 WB ;Mouse. 20710016
- **[IF=1.851]** Liu Q et al. Inhibitory effect of 17 β -estradiol on triglyceride synthesis in skeletal muscle cells is dependent on ESR1 and not ESR2. Molecular Medicine Reports.2019,19: 5087-5096 . Other ;Rat&Mouse. doi:10.3892/mmr.2019.10189.