



Rabbit Anti-ADFP antibody

SL1164R

Product Name:	ADFP
Chinese Name:	脂肪组织分化相关蛋白抗体
Alias:	ADFP; Adipophilin; Adipose differentiation related protein; Adipose differentiation-related protein; Perilipin-2; PLIN2; PLIN2_HUMAN; adipophilin; Adipose differentiation related protein; ADRP; MGC10598
文献引用 PubMed :	<p>Specific References(1) SL1164R has been referenced in 1 publications.</p> <p>[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).Mouse.</p> <p style="text-align: right;">PubMed:25845663</p>
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	48kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ADFP:31-130/422
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year

	when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	<p>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]</p> <p>Function: May be involved in development and maintenance of adipose tissue.</p> <p>Subcellular Location: Membrane; Peripheral membrane protein.</p> <p>Tissue Specificity: Milk lipid globules.</p> <p>Post-translational modifications: Acylated; primarily with C14, C16 and C18 fatty acids.</p> <p>Similarity: Belongs to the perilipin family.</p> <p>SWISS: Q99541</p> <p>Gene ID: 123</p> <p>Database links:</p> <p>Entrez Gene: 123Human</p> <p>Entrez Gene: 11520Mouse</p> <p>Entrez Gene: 298199Rat</p> <p>Omim: 103195Human</p> <p>SwissProt: Q99541Human</p> <p>SwissProt: P43883Mouse</p> <p>Unigene: 3416Human</p>

[Unigene: 381](#)Mouse

Important Note:

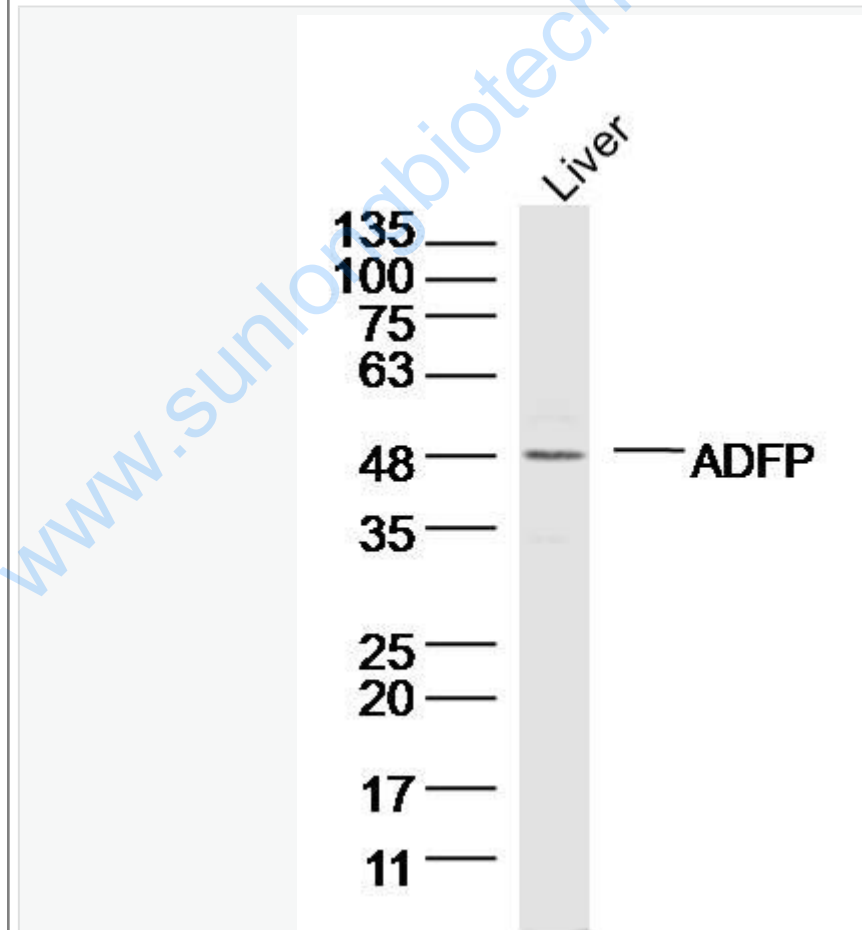
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Adipophilin (ADFP) 是一种脂滴周围主要的相关蛋白, 它大量分布在脂质蓄积正常或不正常的细胞中, 是脂质蓄积的一个特异性标记物。它在脂肪Cell differentiation早期就有很高的表达, 但当脂肪细胞成熟后, 它的表达就明显减少, 故称; 脂肪分化相关蛋白。

ADFP在很多组织器官中都发挥重要作用, 它不仅参与脂肪细胞的脂质代谢、脂滴的形成及肝内三酰甘油(TO)的合成与代谢, 还能促进巨噬细胞、平滑肌细胞的泡沫化, 长链脂肪酸的摄取, 乳汁的分泌等。

ADFP的表达异常与动脉粥样硬化、胰岛素抵抗和Tumour等病理过程密切相关。

Picture:



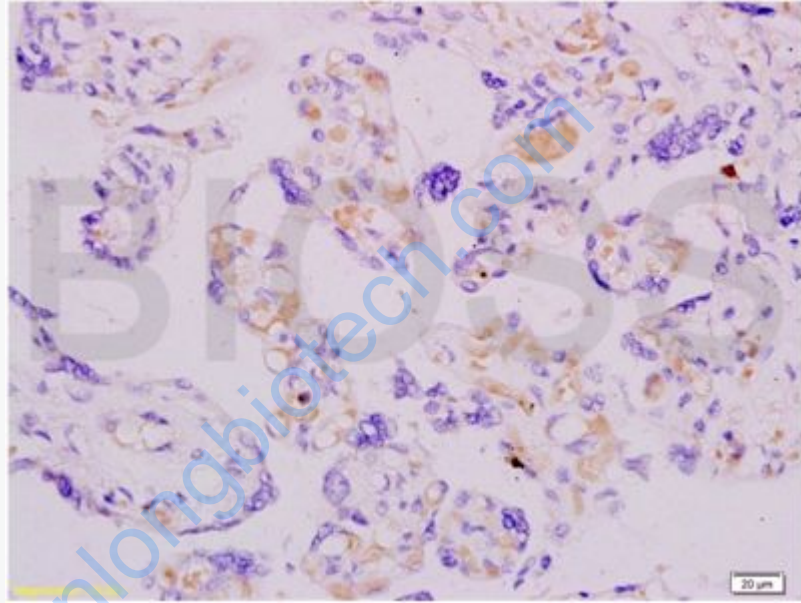
Sample: Liver (Mouse) Lysate at 40 ug

Primary: Anti-ADFP (SL1164R) 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(SL1164R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining