

产品名称: Angptl4 Rabbit Polyclonal Antibody
产品货号: AP Rab06900



产品概述 (Summary)

产品名称 (Production Name)	Angptl4 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	ANGPTL4 ANGPTL4; ARP4; HFARP; PGAR; PP1158; PSEC0166; Angiopoietin-related protein 4; Angiopoietin-like protein 4; Hepatic fibrinogen/angiopoietin-related protein; HFARP
别名 (Alternative Names)	
基因 ID (Gene ID)	51129.0
蛋白 ID (SwissProt ID)	Q9BY76.The antiserum was produced against synthesized peptide derived from the Internal region of human ANGPTL4. AA range:301-350

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	45kDa

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研究背景 (Background)

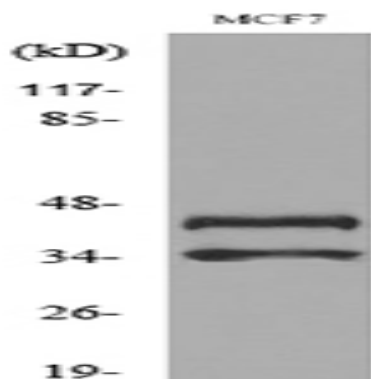
This gene encodes a glycosylated, secreted protein containing a C-terminal fibrinogen domain. The encoded protein is induced by peroxisome proliferation activators and functions as a serum hormone that regulates glucose homeostasis, lipid metabolism, and insulin sensitivity. This protein can also act as an apoptosis survival factor for vascular endothelial cells and can prevent metastasis by inhibiting vascular growth and tumor cell invasion. The C-terminal domain may be proteolytically-cleaved from the full-length secreted protein. Decreased expression of this gene has been associated with type 2 diabetes. Alternative splicing results in multiple transcript variants. This gene was previously referred to as ANGPTL2 but has been renamed ANGPTL4. [provided by RefSeq, Sep 2013],caution:The sequence shown here is derived from an Ensembl automatic analysis pipeline and should be considered as preliminary data.,disease:Found to be highly expressed in the early stages of collagen-induced arthritis (CIA),disease:Produced in ischemic tissues in conditions such as critical leg ischemia. In tumors, ANGPTL4 could be produced in the hypoxic areas surrounding necrotic regions. High levels could be produced in tumor cells of conventional renal cell carcinoma. This molecule therefore seems to be a marker of conventional renal cell carcinoma.,disease:Serum levels of ANGPTL4 are significantly lower in patients with diabetes type 2 than those in healthy subjects, suggesting that decreased ANGPTL4 could be a causative factor of this disease.,function:Protein with hypoxia-induced expression in endothelial cells. May act as a regulator of angiogenesis and modulate tumorigenesis. Inhibits proliferation, migration, and tubule formation of endothelial cells and reduces vascular leakage. May exert a protective function on endothelial cells through an endocrine action. It is directly involved in regulating glucose homeostasis, lipid metabolism, and insulin sensitivity. In response to hypoxia, the unprocessed form of the protein accumulates in the subendothelial extracellular matrix (ECM). The matrix-associated and immobilized unprocessed form limits the formation of actin stress fibers and focal contacts in the adhering endothelial cells and inhibits their adhesion. It also decreases motility of endothelial cells and inhibits the sprouting and tube formation.,PTM:N-glycosylated.,similarity:Contains 1 fibrinogen C-terminal domain.,subcellular location:The unprocessed form interacts with the extracellular matrix. This may constitute a dynamic reservoir, a regulatory mechanism of the bioavailability of ANGPTL4.,subunit:Homooligomer. The homooligomer undergoes proteolytic processing to release its carboxyl fibrinogen-like domain, which circulates as a monomer. The homooligomer unprocessed form is able to interact with the extracellular matrix.,tissue specificity:Expressed at high levels in the placenta, heart, liver, muscle, pancreas and lung but expressed poorly in the brain and kidney.,

研究领域 (Research Area)

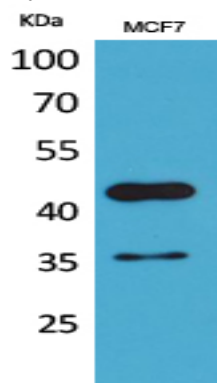
PPAR;

图片 (Image Data)

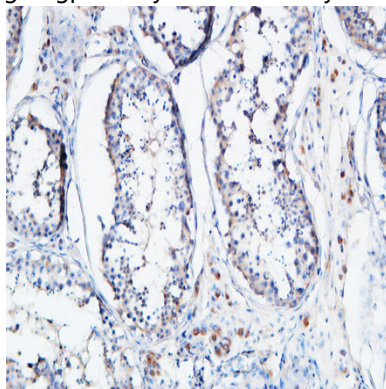
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Western blot analysis of lysate from MCF7 cells, using ANGPTL4 Antibody.

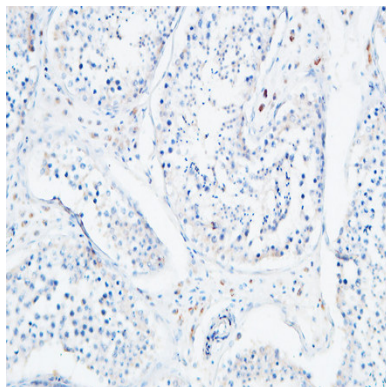


Western Blot analysis of MCF7 cells using Angptl4 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000

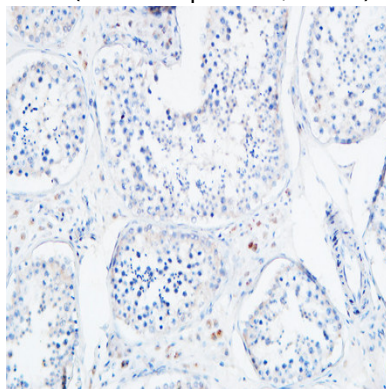


Immunohistochemical analysis of paraffin-embedded Human testis. 1, Antibody was diluted at 1:100 (4°,overnight) . 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature, 30min) .

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注意事项 (Note)

For research use only .