

## **Angptl4 Polyclonal Antibody**

Catalog No: YT5174

Reactivity: Human; Mouse; Rat

**Applications:** WB;IHC;IF;ELISA

Target: Angptl4

**Fields:** >>PPAR signaling pathway;>>Cholesterol metabolism

Gene Name: ANGPTL4

**Protein Name:** Angiopoietin-related protein 4

**Q9BY76** 

Q9Z1P8

Human Gene Id: 51129

**Human Swiss Prot** 

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No:

Mouse Gene ld: 57875

**Mouse Swiss Prot** 

No:

**Rat Gene Id:** 362850

Rat Swiss Prot No: Q6TMA8

**Immunogen:** The antiserum was produced against synthesized peptide derived from the

Internal region of human ANGPTL4. AA range:301-350

**Specificity:** Angptl4 Polyclonal Antibody detects endogenous levels of Angptl4 protein.

**Formulation :** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

**Dilution:** IHC: 100-300.WB 1:500 - 1:2000. ELISA: 1:20000.. IF 1:50-200

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**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 45kD

**Cell Pathway:** PPAR;

**Background:** This gene encodes a glycosylated, secreted protein containing a C-terminal

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 RefSeg, Sep

fibrinogen domain. The encoded protein is induced by peroxisome proliferation

2013],

**Function:** 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 tumorgenesis.

Subcellular Location:

Secreted . Secreted, extracellular space, extracellular matrix . The unprocessed

form interacts with the extracellular matrix (PubMed:17068295,

PubMed:21398697). This may constitute a dynamic reservoir, a regulatory

mechanism of the bioavailability of ANGPTL4 (Probable). .

**Expression:** Detected in blood plasma (at protein level) (PubMed:29899519). Detected in

liver (PubMed:10698685). Detected in white fat tissue and placenta

(PubMed:10866690). Expressed at high levels in the placenta, heart, liver, muscle, pancreas and lung but expressed poorly in the brain and kidney.

muscle, paricreas and lung but expressed poorly in the brain and kidney.

Tag: hot



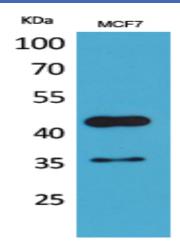
Sort: 1

**No4:** 1

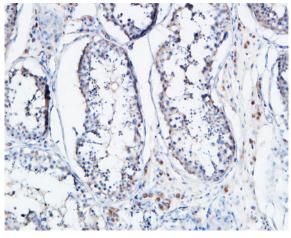
Host: Rabbit

Modifications: Unmodified

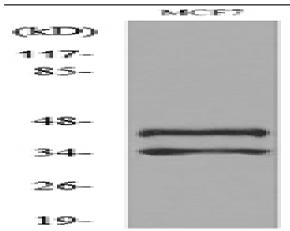
## **Products Images**



Western Blot analysis of MCF7 cells using Angptl4 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



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



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