



# Angptl4 Monoclonal Antibody

<b>Catalog No</b>	BYmab-15996
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB
<b>Gene Name</b>	ANGPTL4
<b>Protein Name</b>	Angiopoietin-related protein 4
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from the Internal region of human ANGPTL4. AA range:301-350
<b>Specificity</b>	Angptl4 Monoclonal Antibody detects endogenous levels of Angptl4 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	ANGPTL4; ARP4; HFARP; PGAR; PP1158; PSEC0166; Angiopoietin-related protein 4; Angiopoietin-like protein 4; Hepatic fibrinogen/angiopoietin-related protein; HFARP
<b>Observed Band</b>	45kD
<b>Cell Pathway</b>	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). .
<b>Tissue Specificity</b>	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.
<b>Function</b>	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

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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.

## 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],

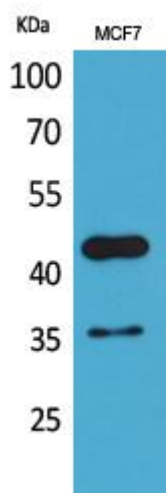
## matters needing attention

Avoid repeated freezing and thawing!

## Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western Blot analysis of various cells using Angptl4 Monoclonal Antibody