



Datasheet for ABIN950414  
**anti-ANGPTL4 antibody (Middle Region)**



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3 Images

### Overview

Quantity:	0.4 mL
Target:	ANGPTL4
Binding Specificity:	AA 145-175, Middle Region
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ANGPTL4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

### Product Details

Immunogen:	KLH conjugated synthetic peptide between 145~175 amino acids from the Center region of human ANGPTL4
Isotype:	Ig Fraction
Specificity:	This antibody reacts to ANGPTL4.
Cross-Reactivity (Details):	Species reactivity (tested):Human and Mouse.
Purification:	Saturated Ammonium Sulfate (SAS) precipitation

### Target Details

Target:	ANGPTL4
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## Target Details

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Alternative Name: ANGPTL4 / FIAF ([ANGPTL4 Products](#))

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Background: ANGPTL4 is a member of the angiotensinogen/angiotensin-like gene family and encodes a glycosylated, secreted protein with a fibrinogen C-terminal domain. This protein is induced under hypoxic conditions in endothelial cells and is the target of peroxisome proliferation activators. The encoded protein is a serum hormone directly involved in regulating glucose homeostasis, lipid metabolism, and insulin sensitivity and also acts as an apoptosis survival factor for vascular endothelial cells. The encoded protein may play a role in several cancers and it also has been shown to prevent the metastatic process by inhibiting vascular activity as well as tumor cell motility and invasiveness. Decreased expression of this protein has been associated with type 2 diabetes. Synonyms: ARP4, Angiotensin-like 4, Angiotensin-related protein 4, Fasting-induced adipose factor, HFARP, Hepatic fibrinogen/angiotensin-related protein, PGAR

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Gene ID: 51129

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NCBI Accession: [NP\\_001034756](#)

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Pathways: [Regulation of Lipid Metabolism by PPARalpha](#)

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## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Concentration: 0.25 mg/mL

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Buffer: PBS containing 0.09 % (W/V) sodium azide as preservative

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Preservative: Sodium azide

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Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Handling Advice: Avoid repeated freezing and thawing.

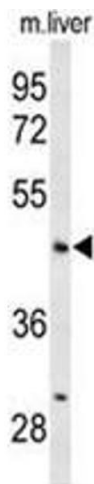
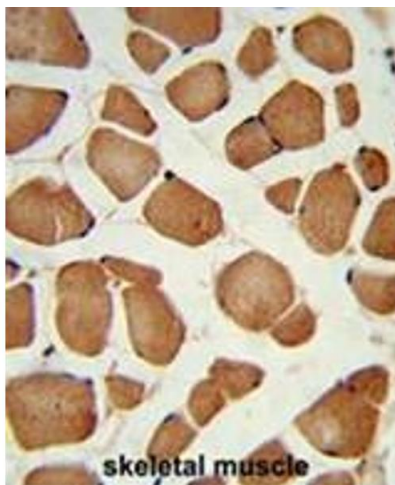
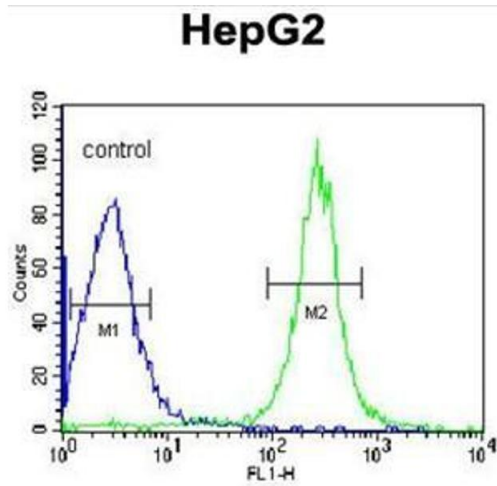
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Storage: 4 °C/-20 °C

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Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

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### Flow Cytometry

**Image 1.** ANGPTL4 Antibody (Center) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

### Immunohistochemistry (Paraffin-embedded Sections)

**Image 2.** Formalin-fixed and paraffin-embedded human skeletal muscle reacted with ANGPTL4 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

### Western Blotting

**Image 3.** Western blot analysis of ANGPTL4 Antibody (Center) in mouse liver tissue lysates (35µg/lane). ANGPTL4 (arrow) was detected using the purified Pab.