

Datasheet for ABIN1169316  
**anti-ANGPTL4 antibody**

## 2 Images

[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	ANGPTL4
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ANGPTL4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

## Product Details

Immunogen:	Recombinant human ANGPTL4.
Clone:	Kairos-1
Isotype:	IgG1
Specificity:	Recognizes the fibrinogen-like domain (FLD) of human ANGPTL4. Detects a band of ~62 kDa and ~35 kDa by Western blot.
Cross-Reactivity:	Human
Cross-Reactivity (Details):	Does not cross-react with other ANGPTL family proteins.
Sterility:	0.2 µm filtered

## Target Details

Target:	ANGPTL4
---------	---------

## Target Details

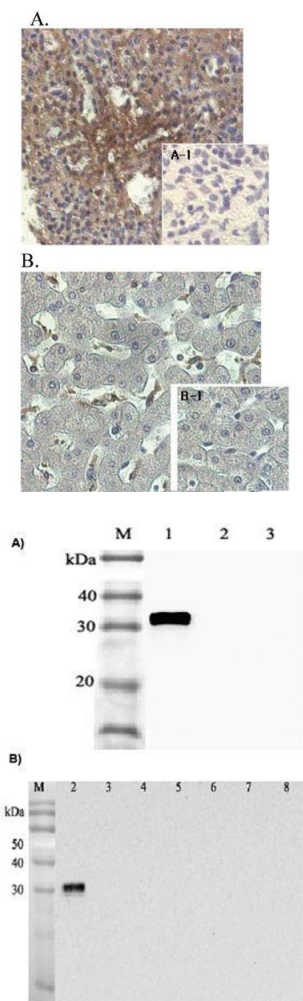
Alternative Name:	ANGPTL4 ( <a href="#">ANGPTL4 Products</a> )
Background:	<p>ANGPTL4 mainly expressed in endothelial cells (hypoxia-induced). Regulates angiogenesis and modulates tumorigenesis and directly regulates lipid, glucose, and energy metabolism. Inhibits proliferation, migration, and tubule formation of endothelial cells and reduces vascular leakage. ANGPTL4 is a protein consisting of an N-terminal coiled-coil domain and a C-terminal fibrinogen-like domain (FLD). Both domains have distinct biological functions. The coiled-coil domain is responsible for the inhibitory effects on lipoprotein lipase (LPL) converting the active form of LPL into an inactive form, and the FLD domain mediates its antiangiogenic functions. The coiled coil and the FLD domains are separated by a short linker that can be cleaved after secretion. ANGPTL4 appears on the cell surface as the full-length form, where it can be released by heparin treatment. ANGPTL4 protein is then proteolytically cleaved by proprotein convertases (PCs), including furin, PC5/6, paired basic amino acid-cleaving enzyme 4, and PC7.</p>
UniProt:	<a href="#">Q9BY76</a>
Pathways:	<a href="#">Regulation of Lipid Metabolism by PPARalpha</a>

## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	0.2µm-filtered solution in PBS, pH 7.4. Contains no preservatives.
Preservative:	Without preservative
Storage:	4 °C,-20 °C
Storage Comment:	<p>Short Term Storage: +4°C</p> <p>Long Term Storage: -20°C</p> <p>Stable for at least 1 year after receipt when stored at -20°C.</p>
Expiry Date:	12 months



### Immunohistochemistry

**Image 1.** Immunohistochemical staining of human tissue using anti-ANGPTL4 (human), mAb (Kairos-1) at 1:500 dilution. A. Immunoperoxidase staining of formalin-fixed, paraffin-embedded human spleen (200x). A-1. Isotype control (negative control). B. Immunoperoxidase staining of formalin-fixed, paraffin-embedded human liver (200x). B-1. Isotype control (negative control).

### Western Blotting

**Image 2.** Western blot analysis of human ANGPTL4 using anti-ANGPTL4 at 1:2,000 dilution. A. 1.Recombinant hANGPTL4 (FLD) (FLAG ® -tagged). 2.Recombinant hANGPTL4 (CCD) (FLAG ® -tagged). 3. hANGPTL6 (AGF) (FLAG ® -tagged). B. 2. hANGPTL4 (FLD) (FLAG ® -tagged). 3. hANGPTL1 (FLAG ® -tagged). 4. hANGPTL2 (FLAG ® -tagged). 5. hANGPTL3 (FLAG ® -tagged). 6. hANGPTL6 (AGF) (FLAG ® -tagged). 7. ANg1 (FLAG ® -tagged). 8. hClusterin (FLAG ® -tagged).