

Datasheet for ABIN1169313  
**anti-ANGPTL4 antibody**[Go to Product page](#)**1** Image**1** Publication

## Overview

Quantity:	100 µg
Target:	ANGPTL4
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA

## Product Details

Immunogen:	Recombinant human ANGPTL4.
Specificity:	Recognizes human ANGPTL4. Detects a band of ~35 kDa and 62 kDa by Western blot.
Cross-Reactivity:	Human
Sterility:	0.2 µm filtered

## Target Details

Target:	ANGPTL4
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.</p> <p>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</p>

## Target Details

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.

UniProt: [Q9BY76](#)

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

## 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

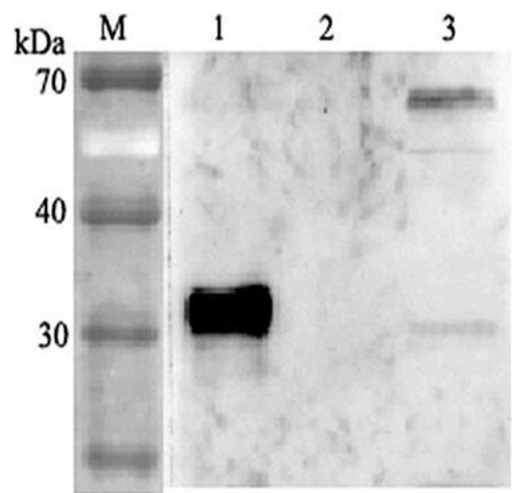
Storage: 4 °C,-20 °C

Storage Comment: Short Term Storage: +4°C  
Long Term Storage: -20°C  
Stable for at least 6 months after receipt when stored at -20°C.

Expiry Date: 6 months

## Publications

Product cited in: Ferrari, Palleschi, Bartoli, Polli, Armiraglio, Parafioriti, Croci, Tosi: "Management of intrathoracic phosphaturic mesenchymal tumor by nonintubated uniportal video-assisted thoracic surgery in a fragile patient." in: **Cancer reports (Hoboken, N.J.)**, Vol. 5, Issue 5, pp. e1500, (2022) ([PubMed](#)).



Western Blotting

**Image 1.** Western blot analysis using anti-ANGPTL4 (human), pAb at 1:2'000 dilution. 1: Human ANGPTL4 (FLAG®-tagged). 2: Human ANGPTL6 (FLAG®-tagged). 3: HepG2 cell lysate.