

Datasheet for ABIN1169265

anti-ANGPTL4 antibody (Fibrinogen-like Domain)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	ANGPTL4
Binding Specificity:	Fibrinogen-like Domain
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ANGPTL4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Fibrinogen-like domain of recombinant human ANGPTL4.
Specificity:	Recognizes the fibrinogen-like domain of human ANGPTL4. Detects a band of ~38 kDa by Western blot.
Cross-Reactivity:	Human
Cross-Reactivity (Details):	Weakly cross-reacts with human ANGPTL3 (fibrinogen-like domain), ANGPTL5 (fibrinogen-like domain), ANGPTL6 (fibrinogen-like domain) and ANGPTL6. Does not cross-react with ANGPTL4 (coiled-coil domain) or other ANGPTL family proteins.
Sterility:	0.2 µm filtered

Target Details

Target:	ANGPTL4
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Target Details

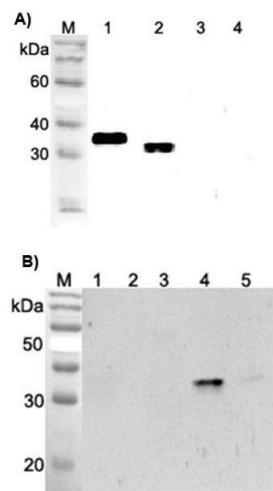
Alternative Name:	ANGPTL4 (ANGPTL4 Products)
Background:	ANGPTL4 mainly expressed in endothelial cells (hypoxia-induced). Regulates angiogenesis and modulates tumorigenesis and directly regulates lipid, glucose, and energy metabolism. Inhibits proliferation, migration, and tubule formation of endothelial 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.
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



Western Blotting

Image 1. Western blot analysis using anti-ANGPTL4 (FLD) (human), pAb at 1:2'000 dilution. A) 1: Human ANGPTL4 (FLD) (FLAG ® -tagged). 2: Human ANGPTL4 (FLAG ® -tagged). 3: Human ANGPTL4 (CCD) (FLAG ® -tagged). 4: Human ST2 (FLAG ® -tagged) (negative control). B) 1: Human ANGPTL3 (FLD) (FLAG ® -tagged). 2: Human ANGPTL3 (FLAG ® -tagged). 3: Human ANGPTL6 (FLAG ® -tagged). 4: Human ANGPTL6 (FLD) (FLAG ® -tagged). 5: Human ANGPTL5 (FLD) (FLAG ® -tagged).