

### Anti-Angiopoietin-like 4/ANGPTL4 antibody ab2920

★★★★★ [1 Abreviews](#) [6 References](#) [1 图像](#)

#### 概述

产品名称	Anti-Angiopoietin-like 4/ANGPTL4抗体
描述	兔多克隆抗体to Angiopoietin-like 4/ANGPTL4
宿主	Rabbit
特异性	Detects fasting-induced adipose factor (FIAF) from rat adipose tissue.
经测试应用	适用于: WB
种属反应性	与反应: Rat
免疫原	Synthetic peptide corresponding to Mouse Angiopoietin-like 4/ANGPTL4 aa 80-94 (N terminal). Sequence: CQGPKGKDAPFKDSE  (Peptide available as <a href="#">ab4936</a> ) <div>  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a> </div>
阳性对照	Rat adipose tissue extracts.
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 99% PBS
纯度	Immunogen affinity purified
Primary antibody说明	Adipose tissue is an energy reserve in animals, and in nondomestic species it is strictly regulated. Adipose cells produce and secrete numerous physiologically important proteins that

help regulate whole body metabolism, such as leptin and Acrp30. Fasting causes significant changes in nutrient metabolism and many of these changes are controlled by transcription factors that regulate rate-limiting enzymes. An important transcription factor that mediates metabolic processes induced by fasting is peroxisome proliferator-activated receptor alpha (PPAR alpha). PPAR alpha has recently been reported to target a novel gene encoding the secreted protein FIAF (fasting-induced adipose factor). FIAF is expressed predominantly in adipose tissue and is strongly upregulated in white adipose tissue and the liver under fasting conditions. Initial studies suggest that FIAF represents a novel endocrine signal helping to regulate metabolism, especially under fasting conditions.

克隆 多克隆  
同种型 IgG

## 应用

**The Abpromise guarantee** **Abpromise™** 承诺保证使用ab2920于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★★ (1)	Use a concentration of 2 µg/ml. By Western blot, this antibody detects an ~50 kDa protein representing FIAF from rat adipose tissue extracts.

## 靶标

**功能** Protein with hypoxia-induced expression in endothelial cells. May act as a regulator of angiogenesis and modulate tumorigenesis. Inhibits proliferation, migration, and tubule formation of endothelial cells and reduces vascular leakage. May exert a protective function on endothelial cells through an endocrine action. It is directly involved in regulating glucose homeostasis, lipid metabolism, and insulin sensitivity. In response to hypoxia, the unprocessed form of the protein accumulates in the subendothelial extracellular matrix (ECM). The matrix-associated and immobilized unprocessed form limits the formation of actin stress fibers and focal contacts in the adhering endothelial cells and inhibits their adhesion. It also decreases motility of endothelial cells and inhibits the sprouting and tube formation.

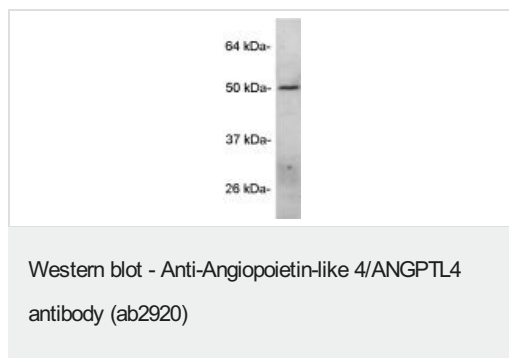
**组织特异性** Expressed at high levels in the placenta, heart, liver, muscle, pancreas and lung but expressed poorly in the brain and kidney.

**序列相似性** Contains 1 fibrinogen C-terminal domain.

**翻译后修饰** N-glycosylated.

**细胞定位** Secreted. Secreted > extracellular space > extracellular matrix. The unprocessed form interacts with the extracellular matrix. This may constitute a dynamic reservoir, a regulatory mechanism of the bioavailability of ANGPTL4.

## 图片



Western blot on FIAF in rat adipose tissue extract using ab2920.

Western blot on FIAF in rat adipose tissue extract using ab2920.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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