

Product datasheet

Anti-Angiopoietin-like 4 antibody ab47046

1 References 1 图像

概述

产品名称	Anti-Angiopoietin-like 4抗体
描述	兔多克隆抗体to Angiopoietin-like 4
特异性	This antibody is specific for ARP4.
经测试应用	适用于: ELISA, WB
种属反应性	与反应: Human
免疫原	Recombinant human ARP4. 25 kDa protein containing 204 amino acid residues of the human ARP4 and 16 additional amino acid residues, HisTag. Source of immunogen, <i>E. coli</i>

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: None Constituents: 0.1M Sodium chloride, 0.05M PBS, pH 7.2
纯度	Immunogen affinity purified
纯化说明	Immunoaffinity chromatography on a column with immobilized recombinant human ARP4.
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab47046** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
ELISA		Use at an assay dependent dilution.
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 45 kDa.

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.

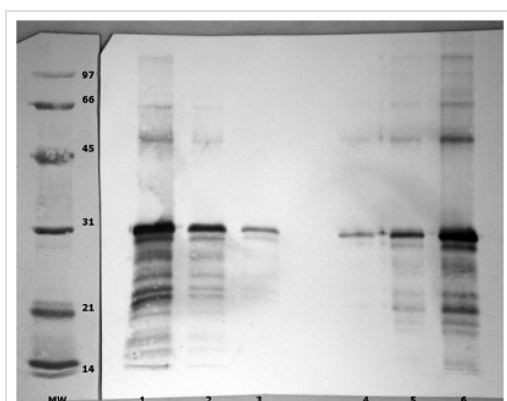
## 翻译后修饰

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.

## Anti-Angiopoietin-like 4 antibody 图像



Western blot - Anti-Angiopoietin-like 4 antibody (ab47046)

**All lanes** : Anti-Angiopoietin-like 4 antibody (ab47046) at 1  $\mu$ g/ml

**Lane 1** : Recombinant protein 100 ng/Lane, Reducing

**Lane 2** : Recombinant protein 10 ng/Lane, Reducing

**Lane 3** : Recombinant protein 1 ng/Lane, Reducing

**Lane 4** : Recombinant protein 1 ng/Lane, Non-Reducing

**Lane 5** : Recombinant protein 10 ng/Lane, Non-Reducing

**Lane 6** : Recombinant protein 100 ng/Lane, Non-Reducing

### Secondary

Anti-Rabbit HRP-Conjugate at 1/2000 dilution

**Predicted band size** : 45 kDa

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

## Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <http://www.abcam.cn/abpromise> or contact our technical team.

### **Terms and conditions**

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors