

# Anti-VEGF Receptor 2 antibody [mV1001.3m-h] ab42228

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### 概述

产品名称	Anti-VEGF Receptor 2抗体[mV1001.3m-h]
描述	小鼠单克隆抗体[mV1001.3m-h] to VEGF Receptor 2
宿主	Mouse
经测试应用	适用于: Sandwich ELISA, WB
种属反应性	与反应: Human, Recombinant fragment
免疫原	Purified fragment, corresponding to N terminal amino acids 30-200 of Human VEGF Receptor 2
阳性对照	Human Umbilical Vein Endothelial Cells (HUVECs).
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. Upon delivery aliquot. Avoid freeze / thaw cycle.
存储溶液	Constituent: PBS
纯度	Protein G purified
克隆	单克隆
克隆编号	mV1001.3m-h
同种型	IgG1

### 应用

**The Abpromise guarantee**      **Abpromise™** 承诺保证使用ab42228于以下的经测试应用

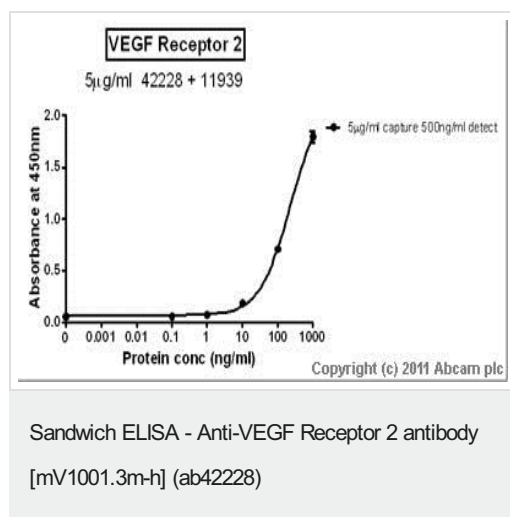
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
<b>Sandwich ELISA</b>		Use a concentration of 5 µg/ml. Can be paired for Sandwich ELISA with <b>Rabbit polyclonal to VEGF Receptor 2 (ab11939)</b> . For sandwich ELISA, use this antibody as Capture at 5µg/ml with <b>ab11939</b> as Detection.
<b>WB</b>		Use at an assay dependent concentration. Predicted molecular weight: 151 kDa.

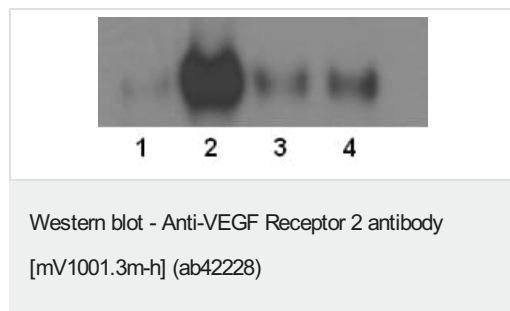
## 靶标

<b>功能</b>	Receptor for VEGF or VEGFC. Has a tyrosine-protein kinase activity. The VEGF-kinase ligand/receptor signaling system plays a key role in vascular development and regulation of vascular permeability. In case of HIV-1 infection, the interaction with extracellular viral Tat protein seems to enhance angiogenesis in Kaposi's sarcoma lesions.
<b>疾病相关</b>	Defects in KDR are associated with susceptibility to hemangioma capillary infantile (HCI) [MIM:602089]. HCI are benign, highly proliferative lesions involving aberrant localized growth of capillary endothelium. They are the most common tumor of infancy, occurring in up to 10% of all births. Hemangiomas tend to appear shortly after birth and show rapid neonatal growth for up to 12 months characterized by endothelial hypercellularity and increased numbers of mast cells. This phase is followed by slow involution at a rate of about 10% per year and replacement by fibrofatty stroma.
<b>序列相似性</b>	Belongs to the protein kinase superfamily. Tyr protein kinase family. CSF-1/PDGF receptor subfamily. Contains 7 Ig-like C2-type (immunoglobulin-like) domains. Contains 1 protein kinase domain.
<b>翻译后修饰</b>	Phosphorylated. Dephosphorylated by PTPRB. Dephosphorylated by PTPRJ at Tyr-951, Tyr-996, Tyr-1054, Tyr-1059, Tyr-1175 and Tyr-1214.
<b>细胞定位</b>	Membrane.

## 图片



Standard curve for VEGF Receptor 2 (Analyte: **ab54347**); dilution range 1pg/ml to 1µg/ml using Capture Antibody Mouse monoclonal [mV1001.3m-h] to VEGF Receptor 2 (ab42228) at 5µg/ml and Detector Antibody Rabbit polyclonal to VEGF Receptor 2 (**ab11939**) at 0.5µg/ml.



**Lane 1 :** unstimulated cells

**Lane 2 :** hVEGF at 20 ng/ml

**Lane 3 :** Anti-VEGF Receptor 2 antibody [mV1001.3m-h] (ab42228) at 5 µg/ml

**Lane 4 :** Anti-VEGF Receptor 2 antibody [mV1001.3m-h] (ab42228) at 25 µg/ml

**All lanes :** HUVECs

**Predicted band size:** 151 kDa

**Observed band size:** 220 kDa

HUVECs (human umbilical vein endothelial cells) were stimulated with hVEGF or ab42228 for 30min. Phospho-VEGF Receptor 2 was detected with IP-Western for Phosphotyrosine.

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

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