

Anti-VEGF Receptor 2 antibody [3D09] ab42230

1 References 1 图像

概述	
产品名称	Anti-VEGF Receptor 2抗体[3D09]
描述	大鼠单克隆抗体[3D09] to VEGF Receptor 2
宿主	Rat
特异性	This antibody shows no cross-reactivity with VEGF Receptor 1.
经测试应用	适用于: Functional Studies
种属反应性	与反应: Mouse
免疫原	Purified fragment, corresponding to N terminal amino acids 30-200 of Mouse VEGF Receptor 2
阳性对照	Mouse skin endothelial cells (mSENDs)
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 and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
纯度	Protein G purified
克隆	单克隆
克隆编号	3D09
同种型	IgG2a

应用	
The Abpromise guarantee	<u>Abpromise™</u> 承诺保证使用ab42230于以下的经测试应用

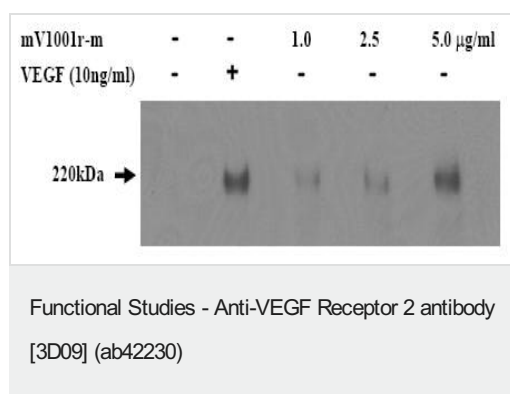
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Functional Studies		Use a concentration of 1 - 5 µg/ml. Can induce VEGF Receptor 2 tyrosine phosphorylation in mouse skin endothelial cells.

## 靶标

功能	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.
疾病相关	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.
序列相似性	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.
翻译后修饰	Phosphorylated. Dephosphorylated by PTPRB. Dephosphorylated by PTPRJ at Tyr-951, Tyr-996, Tyr-1054, Tyr-1059, Tyr-1175 and Tyr-1214.
细胞定位	Membrane.

## 图片



Mouse skin endothelial cells (mSENDs) were stimulated with ab42230 or VEGF for 30min. Phospho-VEGF Receptor 2 was detected with anti-phosphotyrosine antibody.

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

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