

Anti-VEGF 165A antibody [6B7] ab69479

43 References **2 图像**

概述

产品名称	Anti-VEGF 165A抗体[6B7]
描述	小鼠单克隆抗体[6B7] to VEGF 165A
宿主	Mouse
特异性	This antibody reacts with native and denatured human and mouse VEGF. The immunogen is Human Vascular Endothelial Growth Factor 165A, but this has high homology with multiple VEGF isoforms, therefore it should recognise these other isoforms too.
经测试应用	适用于: WB, IP
种属反应性	与反应: Human
免疫原	Full length protein corresponding to Human VEGF 165A. Human Vascular Endothelial Growth Factor 165A. Database link: P15692-4
阳性对照	VEGF protein
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&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.
存储溶液	Preservative: 0.09% Sodium azide Constituent: PBS
纯度	Protein G purified
克隆	单克隆
克隆编号	6B7

同种型	IgG1
轻链类型	kappa

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab69479于以下的经测试应用

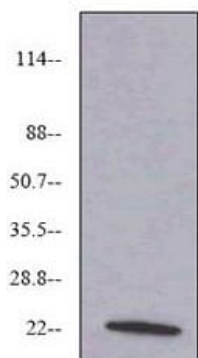
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		Use at an assay dependent dilution. Detects a band of approximately 23 kDa (predicted molecular weight: 23 kDa).
IP		Use a concentration of 2 µg/ml.

靶标

功能	Growth factor active in angiogenesis, vasculogenesis and endothelial cell growth. Induces endothelial cell proliferation, promotes cell migration, inhibits apoptosis and induces permeabilization of blood vessels. Binds to the FLT1/VEGFR1 and KDR/VEGFR2 receptors, heparan sulfate and heparin. NRP1/Neuropilin-1 binds isoforms VEGF-165 and VEGF-145. Isoform VEGF165B binds to KDR but does not activate downstream signaling pathways, does not activate angiogenesis and inhibits tumor growth.
组织特异性	Isoform VEGF189, isoform VEGF165 and isoform VEGF121 are widely expressed. Isoform VEGF206 and isoform VEGF145 are not widely expressed.
疾病相关	Defects in VEGFA are a cause of susceptibility to microvascular complications of diabetes type 1 (MVCD1) [MIM:603933]. These are pathological conditions that develop in numerous tissues and organs as a consequence of diabetes mellitus. They include diabetic retinopathy, diabetic nephropathy leading to end-stage renal disease, and diabetic neuropathy. Diabetic retinopathy remains the major cause of new-onset blindness among diabetic adults. It is characterized by vascular permeability and increased tissue ischemia and angiogenesis.
序列相似性	Belongs to the PDGF/VEGF growth factor family.
细胞定位	Secreted. VEGF121 is acidic and freely secreted. VEGF165 is more basic, has heparin-binding properties and, although a significant proportion remains cell-associated, most is freely secreted. VEGF189 is very basic, it is cell-associated after secretion and is bound avidly by heparin and the extracellular matrix, although it may be released as a soluble form by heparin, heparinase or plasmin.

图片

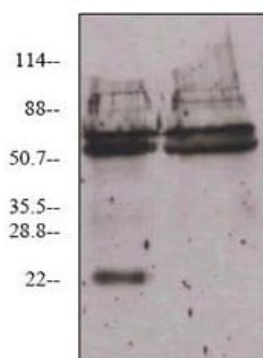


Anti-VEGF 165A antibody [6B7] (ab69479) + VEGF at 0.1 µg

Predicted band size: 23 kDa

Observed band size: 23 kDa

Western blot - Anti-VEGF 165A antibody [6B7]
(ab69479)



Lane 1- 1µg VEGF immunoprecipitated with 2µg antibody. Lane 2-
HUVEC lysate immunoprecipitated with 2µg antibody.

Immunoprecipitation - Anti-VEGF 165A antibody
[6B7] (ab69479)

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