

### Anti-VEGFA antibody [EP1176Y] - C-terminal ab52917

**重组** RabMAb

★★★★★ **9 Abreviews** **190 References** **5 图像**

#### 概述

产品名称	Anti-VEGFA抗体[EP1176Y] - C-terminal
描述	兔单克隆抗体[EP1176Y] to VEGFA - C-terminal
宿主	Rabbit
特异性	We do not guarantee IHC-P for mouse.  This antibody fails to detect endogenous natural samples in WB. We recommend to use <b>ab214424</b> for WB.
经测试应用	<b>适用于:</b> IHC-P, ICC/IF, Flow Cyt (Intra) <b>不适用于:</b> WB
种属反应性	<b>与反应:</b> Mouse, Human
免疫原	Synthetic peptide within Human VEGFA aa 200 to the C-terminus (C terminal). The exact sequence is proprietary. Database link: <b>P15692</b>
阳性对照	IHC-P: Human kidney tissue. ICC/IF: NIH/3T3 cells. Flow Cyt (intra): NIH/3T3 cells.
常规说明	Abcam recommended secondaries - Goat Anti-Rabbit HRP ( <b>ab205718</b> ) and Goat Anti-Rabbit Alexa Fluor® 488 ( <b>ab150077</b> ). Or search our wide range of secondary antibodies for use with your experiment.  This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information <b>see here</b> .  Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <b>RabMAb® patents</b> .

#### 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 long term. Avoid freeze / thaw cycle.

存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol, PBS, 0.05% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	EP1176Y
同种型	IgG

应用

The Abpromise guarantee      **Abpromise™** 承诺保证使用ab52917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
IHC-P	★★★★★ (6)	1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. The mouse recommendation is based on the WB results. We do not guarantee IHC-P for mouse.  See <b><u>IHC antigen retrieval protocols.</u></b>
ICC/IF	★★★★★ (1)	1/250 - 1/500.
Flow Cyt (Intra)		1/30. <b>ab172730</b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody. For unpurified use at 1/100 - 1/1000 dilution.

应用说明      Is unsuitable for WB.

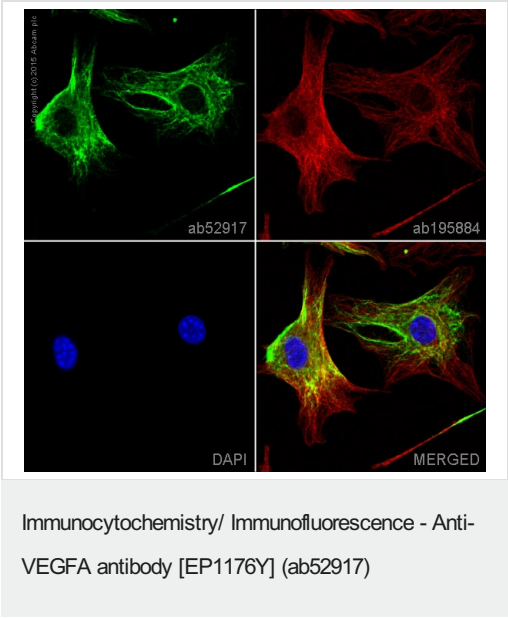
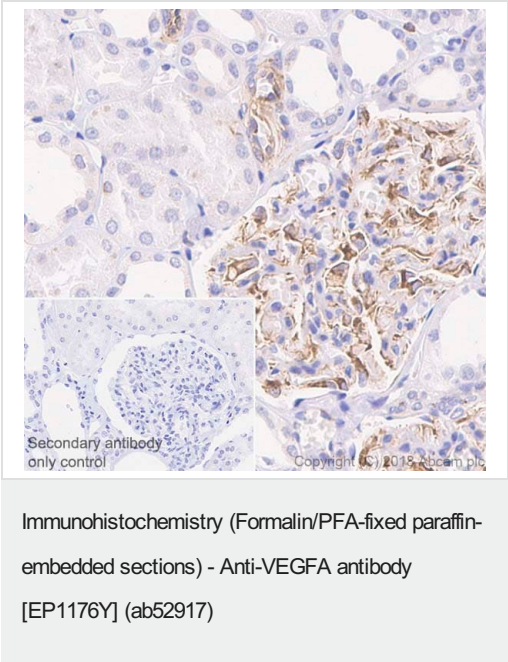
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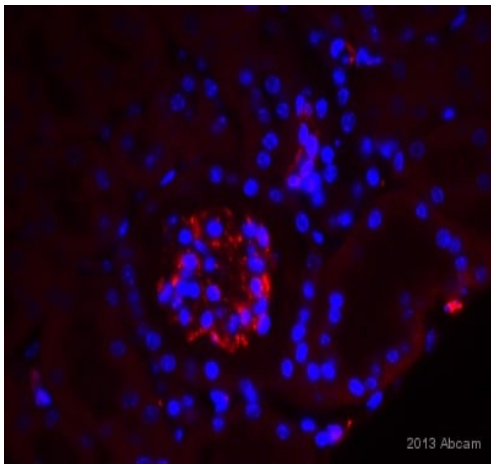
功能	Growth factor active in angiogenesis, vasculogenesis and endothelial cell growth. Induces endothelial cell proliferation, promotes cell migration, inhibits apoptosis and induces permeabilization of blood vessels. Binds to the FLT1/VEGFR1 and KDR/VEGFR2 receptors, heparan sulfate and heparin. NRP1/Neuropilin-1 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



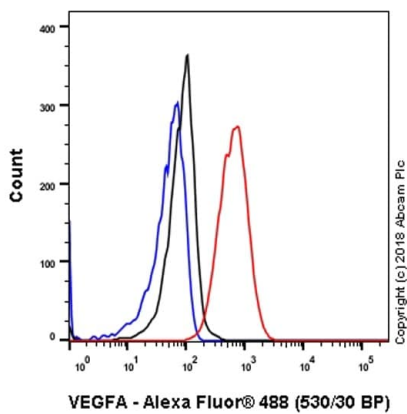


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VEGFA antibody [EP1176Y] (ab52917)

This image is courtesy of an anonymous Abreview

Unpurified ab52917 staining VEGF in mouse kidney tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections).

Tissue was fixed with paraformaldehyde, permeabilized with 0.3% Triton X-100 and blocked with 5% serum for 45 minutes at 25°C. Samples were incubated with primary antibody (1/400 in 4% BSA + 5% serum in PBST) for 14 hours at 4°C. An Alexa Fluor® 546-conjugated Donkey anti-rabbit IgG polyclonal (1/300) was used as the secondary antibody.



Flow Cytometry (Intracellular) - Anti-VEGFA antibody [EP1176Y] - C-terminal (ab52917)

Intracellular Flow Cytometry analysis of NIH/3T3 (Mouse embryonic fibroblast) cells labeling VEGFA with purified ab52917 at 1/30 dilution (10µg/ml) (red).

Cells were fixed with 4% paraformaldehyde. A Goat anti rabbit IgG (Alexa Fluor® 488) secondary antibody was used at 1/2000 dilution. Isotype control - Rabbit monoclonal IgG (Black).

Unlabeled control - Cell without incubation with primary antibody and secondary antibody (Blue).

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-VEGFA antibody [EP1176Y] - C-terminal  
(ab52917)

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

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