

### Anti-VEGFA antibody ab51745

★★★★★ [2 Abreviews](#) [66 References](#) [画像数 2](#)

#### 製品の概要

製品名	Anti-VEGFA antibody
製品の詳細	Rabbit polyclonal to VEGFA
由来種	Rabbit
アプリケーション	<b>適用あり:</b> WB, IHC-P
種交差性	<b>交差種:</b> Mouse, Human, Recombinant fragment
免疫原	Recombinant full length protein corresponding to Mouse VEGFA. Recombinant mouse VEGF164 Database link: <a href="#">Q00731</a>
ポジティブ・コントロール	IHC-P: Mouse E17 ventricular zone of the CNS & human glioblastoma, perinecrotic area. WB: Recombinant mouse VEGF164 & recombinant human VEGF165.
特記事項	<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>

#### 製品の特性

製品の状態	Lyophilized: The lyophilized IgG is stable at 4°C for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile water to a concentration of >0.5 mg/ml the antibody is stable for at least six weeks at 2-4°C.
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
バッファー	Constituent: PBS
精製度	Protein A purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

#### アプリケーション

## The Abpromise guarantee

**Abpromise保証は、次のテスト済みアプリケーションにおけるab51745の使用に適用されます**

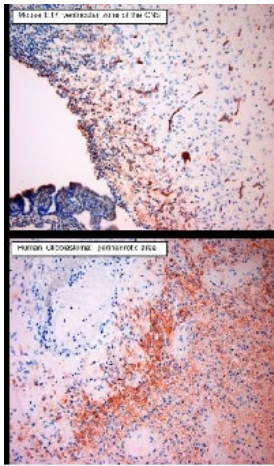
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB	★★★★★ (1)	Use a concentration of 0.1 - 1 µg/ml. Predicted molecular weight: 27 kDa. The detection limit for recombinant murine VEGF-A is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.
IHC-P	★★★★★ (1)	Use a concentration of 2 - 10 µg/ml.

## ターゲット情報

機能	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.
組織特異性	Isoform VEGF189, isoform VEGF165 and isoform VEGF121 are widely expressed. Isoform VEGF206 and isoform VEGF145 are not widely expressed.
関連疾患	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.
配列類似性	Belongs to the PDGF/VEGF growth factor family.
細胞内局在	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.

## 画像



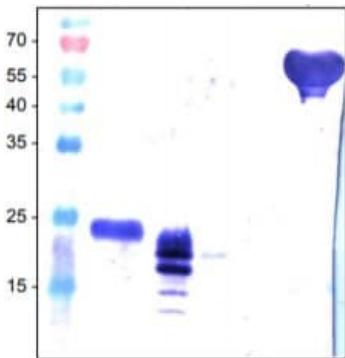
Staining of VEGF-A in paraffin-embedded mouse ventricular zone of the CNS (E17) and a perinecrotic area of a human glioblastom.

Top panel: Mouse E17: ventricular zone of the CNS.

Bottom panel: Human glioblastoma: perinecrotic area.

The experiments were performed by Dr. Till Acker and Prof. K.H. Plate, Neurological Institute, Neuropathology, Deuschordenstr. 45, 60528 Frankfurt, Germany

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VEGFA antibody (ab51745)



**All lanes** : Anti-VEGFA antibody (ab51745)

**Lane 1** : recombinant mouse VEGF164

**Lane 2** : Recombinant human VEGF165

**Lane 3** : Recombinant human PlGF-1

**Lane 4** : Recombinant rat VEGF-C

**Predicted band size:** 27 kDa

Western blot - Anti-VEGFA antibody (ab51745)

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

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