

Datasheet for ABIN2855448

anti-VEGFA antibody (C-Term)

3 Images

6 Publications

[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	VEGFA
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the C-terminus region of human VEGF. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Rabbit Polyclonal antibody to VEGF (vascular endothelial growth factor A) VEGF antibody
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	VEGFA
Alternative Name:	vascular endothelial growth factor A (VEGFA Products)

Target Details

Background:	<p>This gene is a member of the PDGF/VEGF growth factor family and encodes a protein that is often found as a disulfide linked homodimer. This protein is a glycosylated mitogen that specifically acts on endothelial cells and has various effects, including mediating increased vascular permeability, inducing angiogenesis, vasculogenesis and endothelial cell growth, promoting cell migration, and inhibiting apoptosis. Elevated levels of this protein is linked to POEMS syndrome, also known as Crow-Fukase syndrome. Mutations in this gene have been associated with proliferative and nonproliferative diabetic retinopathy. Alternatively spliced transcript variants, encoding either freely secreted or cell-associated isoforms, have been characterized. There is also evidence for the use of non-AUG (CUG) translation initiation sites upstream of, and in-frame with the first AUG, leading to additional isoforms.</p> <p>Cellular Localization: Secreted</p>
Molecular Weight:	27 kDa
Gene ID:	7422
UniProt:	P15692
Pathways:	RTK Signaling , Glycosaminoglycan Metabolic Process , Regulation of Cell Size , Tube Formation , Signaling Events mediated by VEGFR1 and VEGFR2 , Platelet-derived growth Factor Receptor Signaling , VEGFR1 Specific Signals , VEGF Signaling

Application Details

Application Notes:	WB: 1:500-1:3000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Validation: Orthogonal
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.17 mg/mL
Buffer:	1XPBS (pH 7), 1 % BSA, 20 % Glycerol, 0.025 % ProClin 300
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be

Handling

handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Publications

Product cited in: Chen, Guo, Guo, Kong, Bai, Long: "Protective Effect of Vitamin C against Infancy Rat Corneal Injury Caused by Acute UVB Irradiation." in: **BioMed research international**, Vol. 2020, pp. 8089273, (2020) ([PubMed](#)).

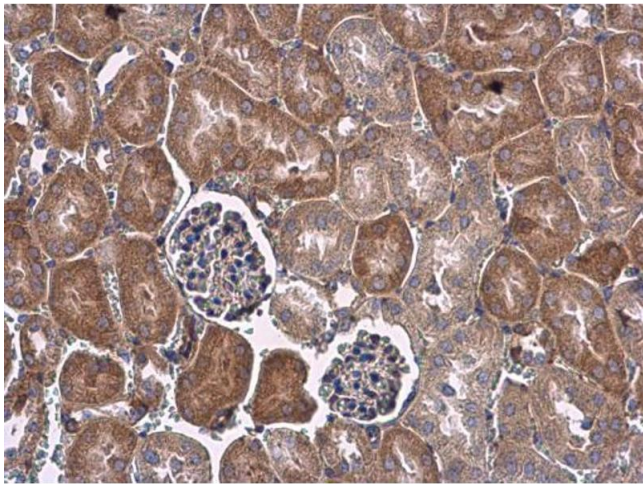
Long, Yan, He, Zhang, Wang, Li, Xue, Chen, An, Zhang: "Protective effects of hydrogen gas in a rat model of branch retinal vein occlusion via decreasing VEGF- α expression." in: **BMC ophthalmology**, Vol. 19, Issue 1, pp. 112, (2019) ([PubMed](#)).

Chen, Wang, Wei, Tzeng, Lan, Cheng, Kuo: "Maintenance BEZ235 Treatment Prolongs the Therapeutic Effect of the Combination of BEZ235 and Radiotherapy for Colorectal Cancer." in: **Cancers**, Vol. 11, Issue 8, (2019) ([PubMed](#)).

Toraih, Ibrahiem, Fawzy, Hussein, Al-Qahtani, Shaalan: "MicroRNA-34a: A Key Regulator in the Hallmarks of Renal Cell Carcinoma." in: **Oxidative medicine and cellular longevity**, Vol. 2017, pp. 3269379, (2018) ([PubMed](#)).

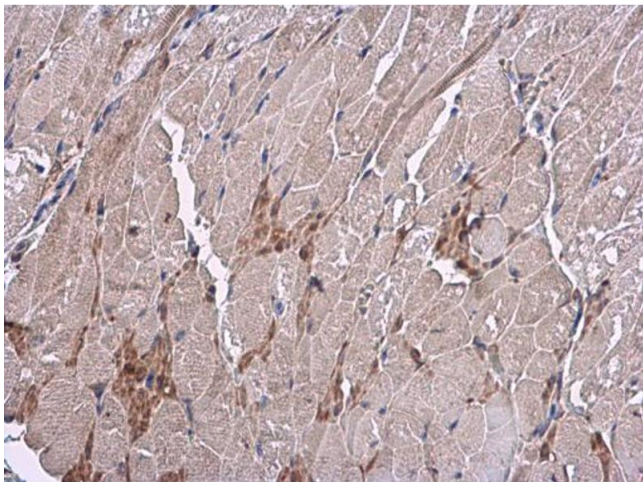
Kumarasamy, Sun: "Demonstration of a potent RET transcriptional inhibitor for the treatment of medullary thyroid carcinoma based on an ellipticine derivative." in: **International journal of oncology**, Vol. 51, Issue 1, pp. 145-157, (2018) ([PubMed](#)).

There are more publications referencing this product on: [Product page](#)



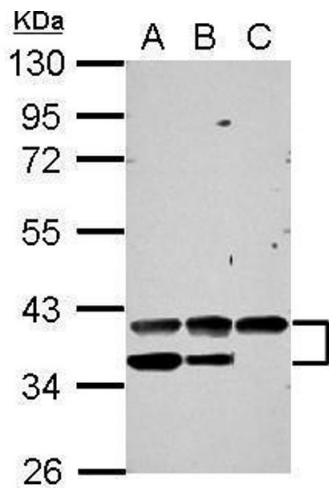
Immunohistochemistry

Image 1. IHC-P Image VEGF antibody detects VEGF protein at cytoplasm in mouse kidney by immunohistochemical analysis. Sample: Paraffin-embedded mouse kidney. VEGF antibody , diluted at 1:500.



Immunohistochemistry

Image 2. IHC-P Image VEGF antibody detects VEGF protein at cytoplasm in mouse muscle by immunohistochemical analysis. Sample: Paraffin-embedded mouse muscle. VEGF antibody , diluted at 1:500.



Western Blotting

Image 3. WB Image Sample (30 ug of whole cell lysate) A: 293T B: A431 C: HepG2 10% SDS PAGE antibody diluted at 1:1000