PRODUCT DATA SHEET

VEGF-A Polyclonal Antibody

Catalog No.	IPB0083
Reactivity	Human; Mouse; Rat
Applications	IF/ICC; IHC-p; ELISA
Dilution	IF: 1:50-200 IHC: 1:50-1:200 ELISA: 1:10000
Gene Name	VEGFA
Protein Name	Vascular endothelial growth factor A
Human Gene Id	7422
Swiss-Prot	P15692
Formulation	Liquid in PBS containing 50% glycerol, 05% BSA and 002% sodium azide
Source	Rabbit
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Concentration	1 mg/ml
Storage&Stability	-20°C/1 year
Subcellular Location	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
MW	27042
Background	This gene is a member of the PDGF:VEGF growth factor family It encodes a heparin-binding protein, which exists as a disulfide-linked homodimer This growth factor induces proliferation and migration of vascular endothelial cells, and is essential for both physiological and pathological angiogenesis Disruption of this gene in mice resulted in abnormal embryonic blood vessel formation This gene is upregulated in many known tumors and its expression is correlated with tumor stage and progression Elevated levels of this protein are found in patients with POEMS syndrome, also known as Crow-Fukase syndrome Allelic variants of this gene have been associated with microvascular complications of diabetes 1 (MVCD1) and atherosclerosis Alternatively spliced transcript variants encoding different isoforms have been described

Products Images:

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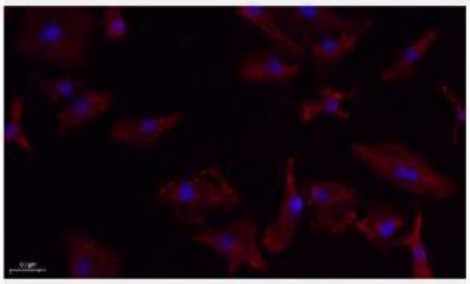
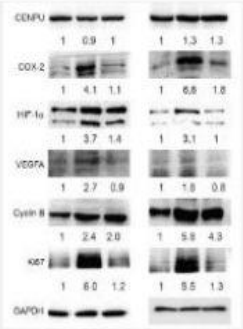
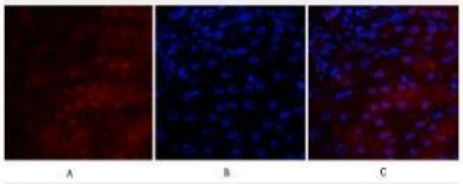


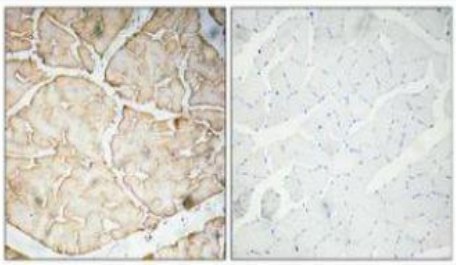
Immunofluorescence analysis of A549. 1,primary Antibody(red) was diluted at 1:200(4°C overnight). 2, Goat Anti Rabbit IgG (H&L) - Alexa Fluor 594 Secondary antibody was diluted at 1:1000(room temperature, 50min).3, Picture B: DAPI(blue) 10min.



Zhao, Shaorong et al. "Deciphering the performance of polo-like kinase 1 in triple-negative breast cancer progression according to the centromere protein U-phosphorylation pathway." American journal of cancer research vol. 11,5 2142-2158. 15 May. 2021



Immunofluorescence analysis of mouse-kidney tissue. 1,VEGF-A Polyclonal Antibody(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



Immunohistochemical analysis of paraffin-embedded Human skeletal muscle. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.

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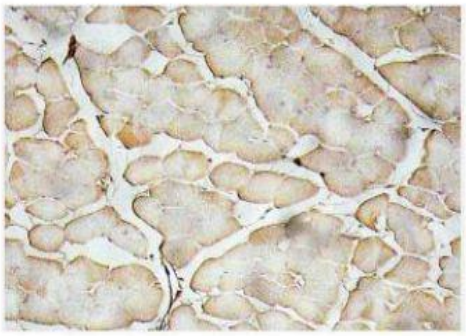

Immunohistochemistry analysis of VEGF-A antibody in paraffin-embedded human skeletal muscle tissue.