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**Product Name: VEGF-B Rabbit Polyclonal Antibody****Catalog #: APRab19772**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC/IF,ELISA
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:100-1:300,ELISA 1:10000-1:20000
<b>Molecular Weight</b>	21kDa

**Antigen Information**

<b>Gene Name</b>	VEGFB
<b>Alternative Names</b>	VEGFB; VRF; Vascular endothelial growth factor B; VEGF-B; VEGF-related factor; VRF
<b>Gene ID</b>	7423.0
<b>SwissProt ID</b>	P49765
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human VEGFB. AA range:91-140

**Background**

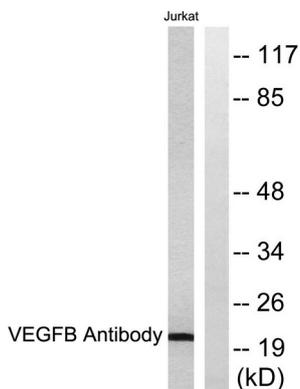
This gene encodes a member of the PDGF (platelet-derived growth factor)/VEGF (vascular endothelial growth factor) family.

The VEGF family members regulate the formation of blood vessels and are involved in endothelial cell physiology. This member is a ligand for VEGFR-1 (vascular endothelial growth factor receptor 1) and NRP-1 (neuropilin-1). Studies in mice showed that this gene was co-expressed with nuclear-encoded mitochondrial genes and the encoded protein specifically controlled endothelial uptake of fatty acids. Alternatively spliced transcript variants encoding distinct isoforms have been identified. [provided by RefSeq, Sep 2011], alternative products: Additional isoforms seem to exist, function: Growth factor for endothelial cells. VEGF-B167 binds heparin and neuropilin-1 whereas the binding to neuropilin-1 of VEGF-B186 is regulated by proteolysis., PTM: VEGF-B186 is O-glycosylated., similarity: Belongs to the PDGF/VEGF growth factor family., subcellular location: Secreted but remains associated to cells or to the extracellular matrix unless released by heparin., subunit: Homodimer; disulfide-linked. Can also form heterodimer with VEGF., tissue specificity: Expressed in all tissues except liver. Highest levels found in heart, skeletal muscle and pancreas.,

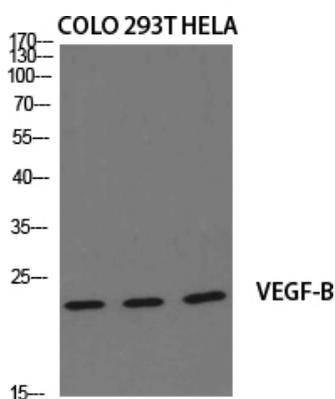
## Research Area

Cytokine-cytokine receptor interaction; mTOR; Focal adhesion; Pathways in cancer; Renal cell carcinoma; Pancreatic cancer; Bladder cancer;

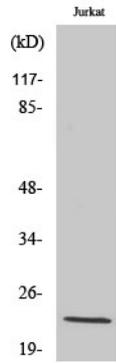
## Image Data



Western blot analysis of lysates from Jurkat cells, using VEGFB Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using VEGF-B Polyclonal Antibody diluted at 1 : 2000. Secondary antibody was diluted at 1:20000



Western Blot analysis of Jurkat cells using VEGF-B Polyclonal Antibody diluted at 1:2000. Secondary antibody was diluted at 1:20000