

VEGF-B Polyclonal Antibody

Catalog No :	YT4871
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	VEGF-B
Fields :	>>MAPK signaling pathway;>>Ras signaling pathway;>>Rap1 signaling pathway;>>Calcium signaling pathway;>>PI3K-Akt signaling pathway;>>Focal adhesion;>>Relaxin signaling pathway;>>AGE-RAGE signaling pathway in diabetic complications;>>Pathways in cancer
Gene Name :	VEGFB
Protein Name :	Vascular endothelial growth factor B
Human Gene Id :	7423
Human Swiss Prot No :	P49765
Mouse Gene Id :	22340
Mouse Swiss Prot No :	P49766
Rat Gene Id :	89811
Rat Swiss Prot No :	O35485
Immunogen :	The antiserum was produced against synthesized peptide derived from human VEGFB. AA range:91-140
Specificity :	VEGF-B Polyclonal Antibody detects endogenous levels of VEGF-B protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG

Dilution : WB 1:500 - 1:2000. IHC: 1:100-300 ELISA: 1:20000. IF 1:100-300 Not yet tested in other applications.

Purification : The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 21kD

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

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],

Function : 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.,

Subcellular Location : Secreted. Secreted but remains associated to cells or to the extracellular matrix unless released by heparin.

Expression : Expressed in all tissues except liver. Highest levels found in heart, skeletal muscle and pancreas.

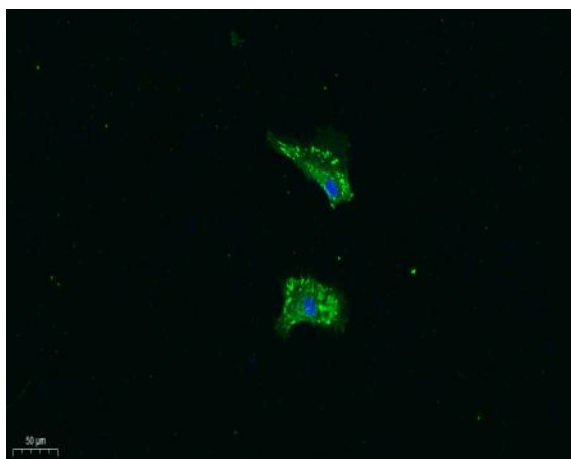
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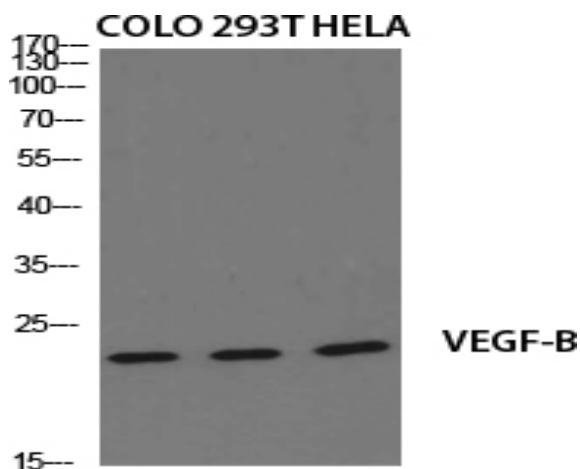
No3 : ab185696

No4 :	1
Host :	Rabbit
Modifications :	Unmodified

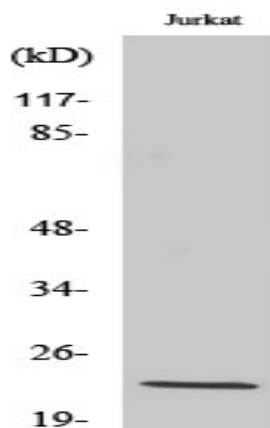
Products Images



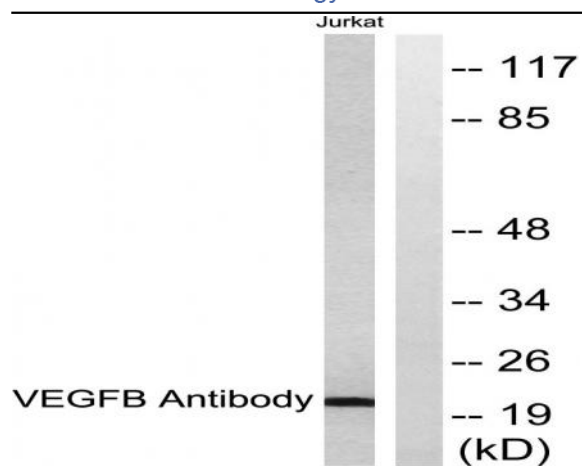
Immunofluorescence analysis of A549. 1,primary Antibody was diluted at 1:200(4°C overnight). 2, Goat Anti Rabbit IgG (H&L) - Alexa Fluor 488 Secondary antibody was diluted at 1:1000(room temperature, 50min).3, Picture B: DAPI(blue) 10min.



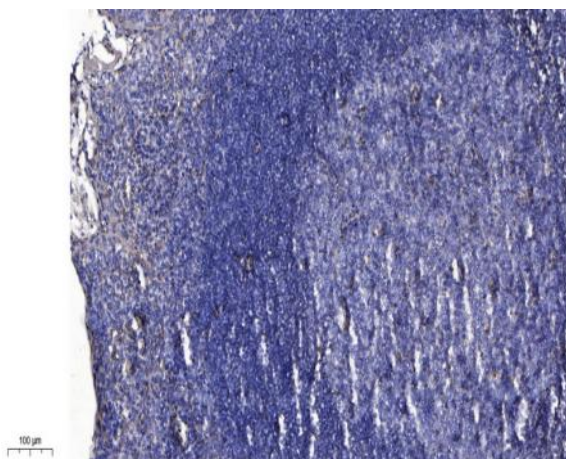
Western Blot analysis of various cells using VEGF-B Polyclonal Antibody diluted at 1:2000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Western Blot analysis of Jurkat cells using VEGF-B Polyclonal Antibody diluted at 1:2000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



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



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).