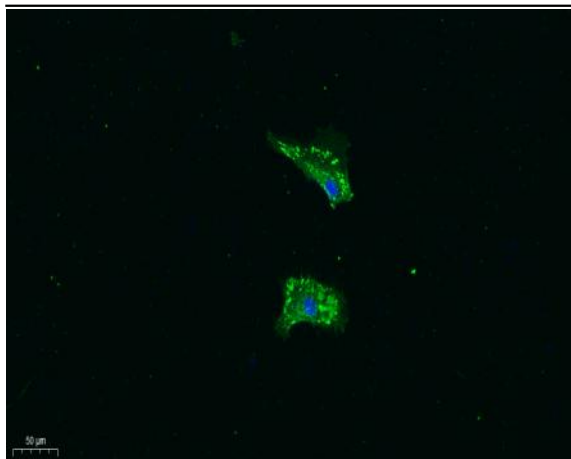


VEGF-B Polyclonal Antibody

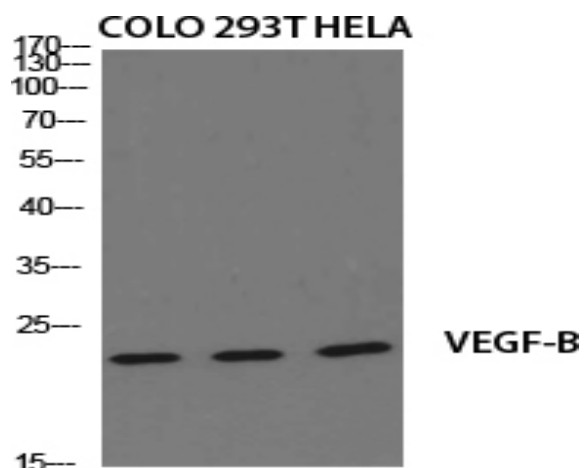
| | |
|------------------------------|---|
| Catalog No : | YT4871 |
| Reactivity : | Human;Mouse;Rat |
| Applications : | WB;IHC;IF;ELISA |
| Target : | VEGF-B |
| Fields : | >>MAPK signaling pathway;>>Ras signaling pathway;>>Rap1 signaling pathway;>>Calcium signaling pathway;>>PI3K-Akt signaling pathway;>>Focal 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. |

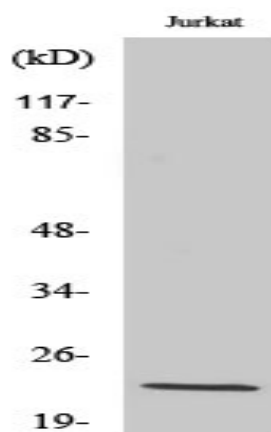
Products Images



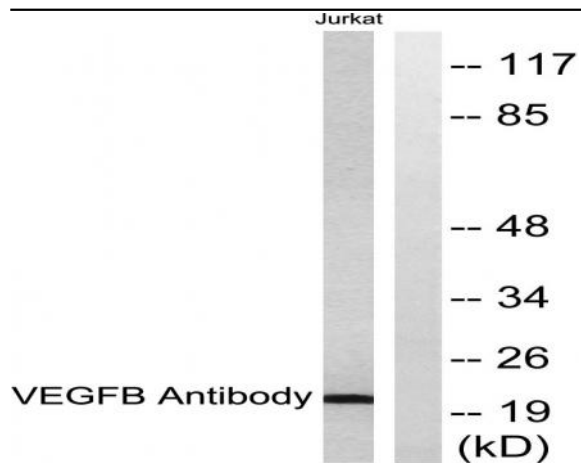
Immunofluorescence analysis of A549. 1,primary Antibody was diluted at 1:200(4°C overnight). 2, Goat Anti Rabbit IgG (H&L) - Alexa Fluor 488 Secondary antibody was diluted at 1:1000(room temperature, 50min).3, Picture B: DAPI(blue) 10min.



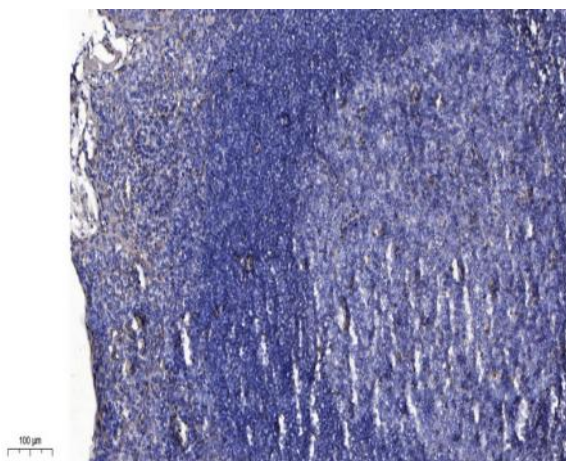
Western Blot analysis of various cells using VEGF-B Polyclonal Antibody diluted at 1:2000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



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).