10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

VEGF-B Antibody
Rabbit Polyclonal Antibody
Catalog # ABV11027

Specification

VEGF-B Antibody - Product Information

Application	**WB**
Primary Accession	P49765
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**21602**

VEGF-B Antibody - Additional Information

Gene ID 7423

Positive Control	**Recombinant human VEGF-B**
Application & Usage	**Western Blot analysis (0.5-4 µg/ml). However, the optimal conditions should be determined individually. Recombinant human VEGF-B can be used as a positive control.**

Other Names
Vascular endothelial growth factor B, VEGF-B, VEGF-related factor, VRF

Target/Specificity
VEGF-B

Antibody Form
Liquid

Appearance
Colorless liquid

Formulation
100 µg (0.5 mg/ml) affinity purified rabbit polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

Handling
The antibody solution should be gently mixed before use.

Reconstitution & Storage
-20 °C

Background Descriptions

Precautions

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

VEGF-B Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

VEGF-B Antibody - Protein Information

Name VEGFB

Synonyms VRF

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.

Cellular Location
Secreted. Note=Secreted but remains associated to cells or to the extracellular matrix unless released by heparin

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

VEGF-B Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

VEGF-B Antibody - Images

VEGF-B Antibody - Background

VEGF-B, a member of the VEGF family, is a potent growth and angiogenic cytokine. It promotes DNA synthesis in endothelial cells, regulates angiogenesis and vascular permeability, and inhibits apoptosis in certain smooth muscle cells and neurons. VEGF-B is expressed in all tissues except the liver. It forms cell surfaced-associated disulfide linked homodimers and can form heterodimers with VEGF-A. There are two known isoforms, formed by alternative splicing, which have been designated VEGF-B167 and VEGF-B186. Both forms have identical amino-terminal sequences encoding a “cysteine knot” like structural motif, but differ in their carboxyl-terminal domains. Both VEGF-B isoforms signal only thro µgh the VEGFR1 receptor. Recombinant human VEGF-B is a 38.0 kDa disulfide-linked homodimeric protein consisting of two 167 amino acid polypeptide chains.