

Anti-VEGF/VEGFA Antibody

Catalog Number: PA1080

About VEGFA

VEGF, a homodimeric glycoprotein of relative molecular mass 45,000, is the only mitogen that specifically acts on endothelial cells. It may be a major regulator of tumor angiogenesis in vivo. Vascular endothelial growth factor is a mitogen primarily for vascular endothelial cells. It is, however, structurally related to platelet-derived growth factor. VEGF shares homology with the PDGF A chain and B chain, including conservation of all 8 cysteines found in PDGFA and PDGFB. VEGF gene contains 8 exons. Vascular endothelial growth factor (VEGF) induces remodeling and enhances TH2-mediated sensitization and inflammation in the lung. VEGF regulates haematopoietic stem cell survival by an internal autocrine loop mechanism. Vascular endothelial growth factor (VEGF) stimulates neurogenesis in vitro and in vivo.

Overview

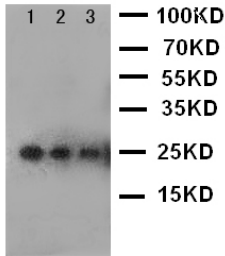
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|----------------------|---|
| Product Name | Anti-VEGF/VEGFA Antibody |
| Reactive Species | Human, Mouse, Rat |
| Description | Boster Bio Anti-VEGF/VEGFA Antibody catalog # PA1080. Tested in IHC, WB applications. This antibody reacts with Human, Mouse, Rat. |
| Application | IHC, WB |
| Clonality | Polyclonal |
| Formulation | Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.01mg NaN ₃ . |
| Storage Instructions | Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles. |
| Host | Rabbit |
| Uniprot ID | P15692 |

Technical Details

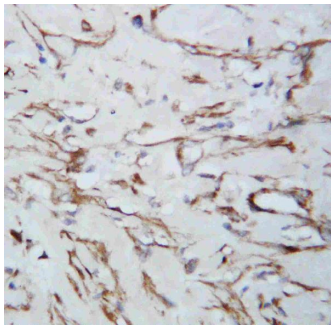
| | |
|-------------------------------|--|
| Immunogen | A synthetic peptide corresponding to a sequence at the N-terminus of human VEGF, identical to the related mouse and rat sequences. |
| Predicted Reactive Species | Hamster |
| Recommended Detection Systems | Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P). |
| Cross Reactivity | No cross-reactivity with other proteins |
| Isotype | Rabbit IgG |
| Form | Lyophilized |

| | |
|---------------------|--|
| Concentration | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. |
| Purification | Immunogen affinity purified. |
| Suggested Dilutions | <p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Rat, Human, Mouse, By Heat</p> <p>Western blot, 0.1-0.5ug/ml, Human, Mouse, Rat</p> |

Anti-VEGF/VEGFA Antibody (PA1080) Images



Anti-VEGF antibody, PA1080, Western blotting
Lane 1: Recombinant Human VEGF Protein 10ng
Lane 2: Recombinant Human VEGF Protein 5ng
Lane 3: Recombinant Human VEGF Protein 2.5ng



Anti-VEGF antibody, PA1080, IHC(P)
IHC(P): Human Lung Cancer Tissue

108 Publications Citing This Product

1. PubMed ID: 10.3892/ol.2016.4619, Fentanyl inhibits the progression of human gastric carcinoma MGC-803 cells by modulating NF-kappaB-dependent gene expression in vivo
2. PubMed ID: -, Sun,S.,Du,Y.,Li,S.,Gao,B.,Xia,R.,Cao,W. ... Zhu,E.(2021).Anti-inflammatory activity of different isolated sites of Chloranthus serratus in complete Freund's adjuvant-induced arthritic rats.Experimental and Therapeutic Medicine,22,848.<https://doi.org/10.3892/etm.2021.10280>
3. PubMed ID: 33785768, Qu X,Fang Y,Zhuang S,Zhang Y.Micro-RNA miR-542-3p suppresses decidualization by targeting ILK pathways in human endometrial stromal cells.Sci Rep.2021 Mar 30;11(1):7186.doi:10.1038/s41598-021-85295-2.PMID:33785768;PMCID:PMC8009905.

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