

39-2068: Anti-VEGF Polyclonal Antibody

Clonality :	Polyclonal
Application :	WB,IHC-P
Reactivity :	Human, Mouse, Rat
Gene :	VEGFA
Gene ID :	7422
Uniprot ID :	P15692
Format :	Lyophilized
Alternative Name :	Vascular endothelial growth factor A; VEGF-A; Vascular permeability factor; VPF; VEGFA; VEGF
Isotype :	Rabbit IgG
Immunogen Information :	A synthetic peptide corresponding to a sequence at the N-terminus of human VEGF(33-48aa VDIFQEYPDEIEYIFK), identical to the related mouse and rat sequences.

Description

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.

Product Info

Amount :	100 µg/vial
Purification :	Immunogen affinity purified.
Content :	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ . Reconstitute : Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Storage condition :	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Application Note

Western blot : 0.1-0.5µg/ml; Immunohistochemistry(Paraffin-embedded Section) : 0.5-1µg/ml

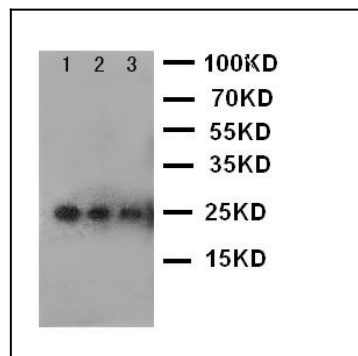


Figure 1: Anti-VEGF antibody(39-2068). Western blotting: Lane 1: Recombinant Human VEGF Protein 10ng, Lane 2: Recombinant Human VEGF Protein 5ng, Lane 3: Recombinant Human VEGF Protein 2.5ng.

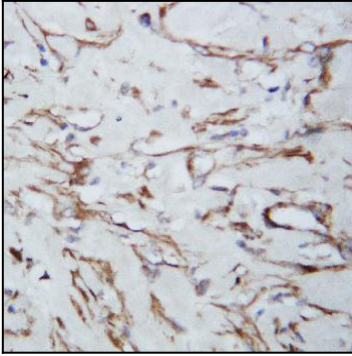


Figure 2: Anti-VEGF antibody(39-2068). IHC(P): Human Lung Cancer Tissue.