

Rabbit VEGF Polyclonal Antibody | anti-VEGFA antibody

Anti-VEGF antibody

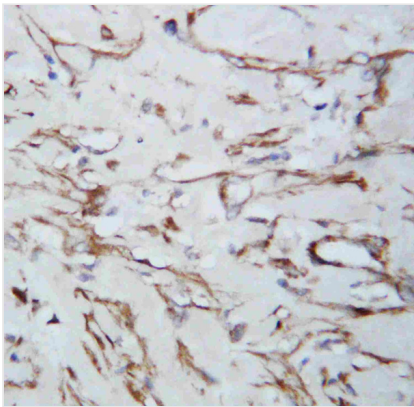
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA45072	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

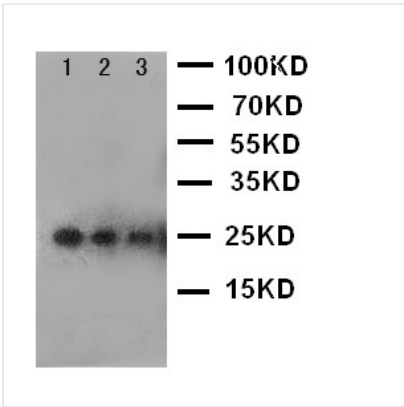
VEGF; Polyclonal Antibody; Anti-VEGF antibody; Vascular endothelial growth factor A(VEGF-A); vascular endothelial growth factor A; MGC70609 antibody; Vascular endothelial growth factor A antibody; Vascular Endothelial Growth Factor antibody; Vascular Permeability Factor antibody; VEGF-A antibody; VEGFA antibody; VEGFA_HUMAN antibody; VPF antibody; anti-VEGFA antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized; Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Sequence Length	232
Applicable Applications for anti-VEGFA antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	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.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Note	Antibody can be supported by chemiluminescence kit in WB supported by in IHC-P
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



IHC (Immunohistochemistry)
Anti-VEGF antibody, AAA45072, IHC(P)IHC(P): Human Lung Cancer Tissue



WB (Western Blot)
Anti-VEGF antibody, AAA45072, Western blottingLane 1: Recombinant Human VEGF Protein 10ngLane 2: Recombinant Human VEGF Protein 5ngLane 3: Recombinant Human VEGF Protein 2.5ng

ADDITIONAL INFORMATION

Related Product Information for anti-VEGFA antibody	Description: Rabbit IgG polyclonal antibody for Vascular endothelial growth factor A(VEGFA) detection. Tested with WB, IHC-P in Human, Mouse, Rat. Background: 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	17380528
NCBI GeneID	7422
UniProt Accession #	P15692; O60720; O75875; Q074Z4; Q16889; B5BU86; H0Y2S8; H0Y407; H0Y414; H0Y462; H0Y8N2; H3BLW7
NCBI Official Full Name	Vascular endothelial growth factor A
NCBI Official Synonym Full Names	vascular endothelial growth factor A
NCBI Official Symbol	VEGFA
NCBI Official Synonym Symbols	VPF; VEGF; MVCD1
NCBI Protein Information	vascular endothelial growth factor A; vascular permeability factor
UniProt Protein Name	Vascular endothelial growth factor A
UniProt Gene Name	VEGFA
UniProt Synonym Gene Names	VEGF; VEGF-A; VPF
UniProt Entry Name	VEGFA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.