

Rabbit anti-Human VEGF Polyclonal Antibody | anti-VEGFA antibody

VEGF Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290626	Rabbit	Human	Immunohistochemistry, Western Blot

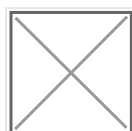
PRODUCT SYNONYMS

VEGF; Polyclonal Antibody; VEGF Antibody (C-term); Purified Rabbit Polyclonal Antibody (Pab); Vascular endothelial growth factor A; VEGF-A; Vascular permeability factor; VPF; VEGFA; anti-VEGFA antibody

PRODUCT SPECIFICATIONS

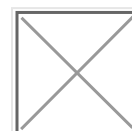
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Sequence Length	412
Applicable Applications for anti-VEGFA antibody	IHC (Immunohistochemistry), WB (Western Blot)
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



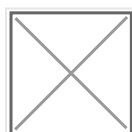
IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human breast carcinoma tissue reacted with VEGF Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



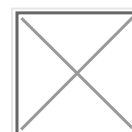
WB (Western Blot)

Western blot analysis of anti-VEGF Antibody (C-term) Pab in Jurkat cell line lysates. VEGF Antibody (C-term)(arrow) was detected using the purified Pab.



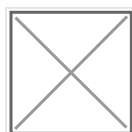
WB (Western Blot)

All lanes : Anti-VEGF Antibody (C-term) at 1:2000 dilution
Lane 1: MCF-7 whole cell lysate
Lane 2: PC-3 whole cell lysate
Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 27 kDa
Blocking/Dilution buffer: 5% NFDN/TBST.



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ADDITIONAL INFORMATION

Related Product Information for anti-VEGFA antibody	Embryonic vascular system undergoes a series of complex, highly regulated series of events involving differentiation, migration and association of primitive endothelial cells. This process is termed vasculogenesis. A further remodeling of the primitive vascular system forms the mature cardiovascular system. This process is known as angiogenesis (sprouting of new capillary vessels from pre-existing vasculature). Angiogenesis accounts for the formation of vasculature into previously avascular organs such as brain and kidney. Angiogenic activity in the adult is required during the normal tissue repair, and for the remodeling of the female reproductive organs (ovulation and placental development). Certain pathological conditions, such as tumor growth and diabetic retinopathy, also require angiogenesis. Study of tumor angiogenesis has led to the identification of several proteins including basic fibroblast growth factor (bFGF) and vascular endothelial growth factor. VEGF acts by interacting with a family of largely endothelial-specific receptor tyrosine kinases that includes VEGFR-1 (flt-1), VEGFR-2 (flk-1/KDR), and VEGFR-3/Flt-4. Disruption of VEGFRs interferes with differentiation of endothelial cells and it is lethal for the embryo. VEGF is a heparin-binding glycoprotein that is secreted as a homodimer of 45 kDa.
Product Categories/Family for anti-VEGFA antibody	Cancer ; Cardiovascular ; Developmental Biology ; Metabolism ; Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	76781480
NCBI GeneID	7422
NCBI Accession #	NP_001020537.2
NCBI GenBank Nucleotide #	NM_001025366.2
UniProt Accession #	P15692 ; O60720 ; O75875 ; Q074Z4 ; Q16889 ; B5BU86 ; H0Y2S8 ; H0Y407 ; H0Y414 ; H0Y462 ; H0Y8N2 ; H3BLW7
Molecular Weight	34,406 Da
NCBI Official Full Name	vascular endothelial growth factor A isoform 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
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/vegf-antibody-immunohistochemistry-western-blot-elisa/290626>