

Rabbit anti-Human, Mouse VEGFA Polyclonal Antibody | anti-VEGFA antibody

VEGFA Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA175682	Rabbit	Human, Mouse	ELISA, Immunohistochemistry, Western Blot

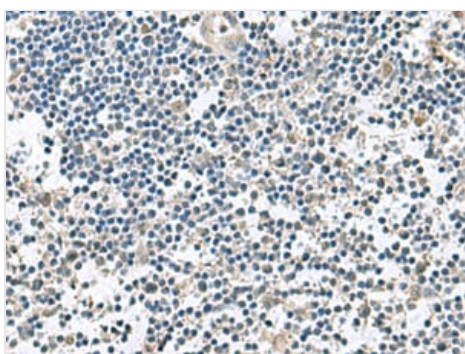
PRODUCT SYNONYMS

VEGFA; Polyclonal Antibody; VEGFA Polyclonal Antibody; VEGF A; Vegf; VEGF120; Vegfa; VPF; anti-VEGFA antibody

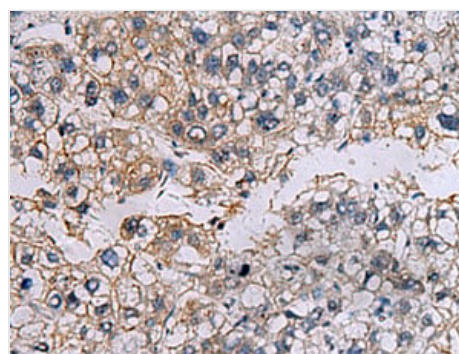
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Form/Format	PBS with 0.05% NaN ₃ and 40% Glycerol, pH7.4
Sequence Length	171
Applicable Applications for anti-VEGFA antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Synthetic peptide of human VEGFA
Note	Centrifuge before opening to ensure complete recovery of vial contents.
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

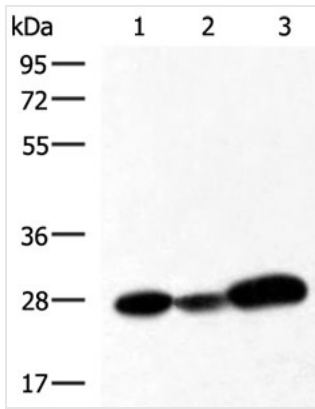
IMAGES



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded Human tonsil tissue using VEGFA Polyclonal Antibody at dilution of 1:45(×200)



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded Human liver cancer tissue using VEGFA Polyclonal Antibody at dilution of 1:45(×200)



WB (Western Blot)
 Western blot analysis of 293T K562 and NIH/3T3 cell lysates using VEGFA Polyclonal Antibody at dilution of 1:1050

ADDITIONAL INFORMATION

Related Product Information for anti-VEGFA antibody	This gene is a member of the PDGF/VEGF growth factor family. It encodes a heparin-binding protein, which exists as a disulfide-linked homodimer. This growth factor induces proliferation and migration of vascular endothelial cells, and is essential for both physiological and pathological angiogenesis. Disruption of this gene in mice resulted in abnormal embryonic blood vessel formation. This gene is upregulated in many known tumors and its expression is correlated with tumor stage and progression. Elevated levels of this protein are found in patients with POEMS syndrome, also known as Crow-Fukase syndrome. Allelic variants of this gene have been associated with microvascular complications of diabetes 1 (MVCD1) and atherosclerosis. Alternatively spliced transcript variants encoding different isoforms have been described. There is also evidence for alternative translation initiation from upstream non-AUG (CUG) codons resulting in additional isoforms. A recent study showed that a C-terminally extended isoform is produced by use of an alternative in-frame translation termination codon via a stop codon readthrough mechanism, and that this isoform is antiangiogenic. Expression of some isoforms derived from the AUG start codon is regulated by a small upstream open reading frame, which is located within an internal ribosome entry site.
Product Categories/Family for anti-VEGFA antibody	Cancer; Cardiovascular; Metabolism; Developmental Biology; Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	324120930
NCBI GeneID	7422
NCBI Accession #	NP_001020537
NCBI GenBank Nucleotide #	NP_001191313.1
UniProt Accession #	P15692
Molecular Weight	Calculated MW 27 kDa Observed MW Refer to figures
NCBI Official Full Name	vascular endothelial growth factor A isoform q
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.

