

Rabbit VEGFB Polyclonal Antibody | anti-VEGFB antibody

VEGFB Antibody

CATALOG # AAA29683	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot, Immunohistochemistry
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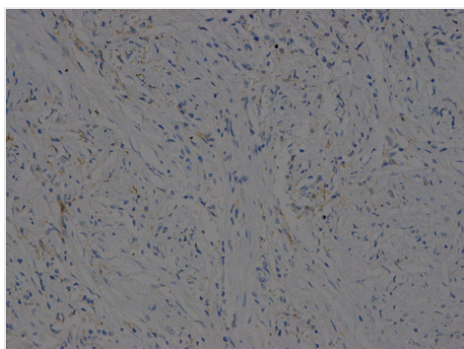
PRODUCT SYNONYMS

VEGFB; Polyclonal Antibody; VEGFB Antibody; VEGFL; VRF; VascularendothelialgrowthfactorB; VEGF-relatedfactor; anti-VEGFB antibody

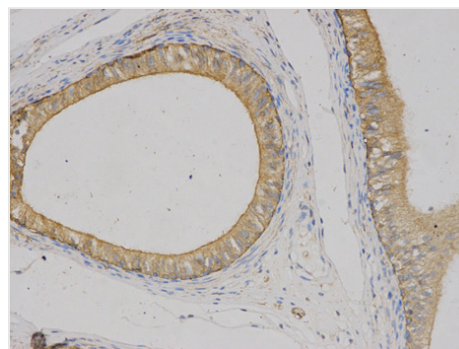
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of total VEGFB protein.
Purity/Purification	Antibodies were purified by affinity purification using immunogen.
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	188
Applicable Applications for anti-VEGFB antibody	WB (Western Blot), IHC (Immunohistochemistry)
Application Notes	Western blotting: 1:500 - 1:2000 Immunohistochemistry: 1:50 - 1:100
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human VEGFB.
Target Name	VEGFB
Preparation and Storage	Store at -20 degree C

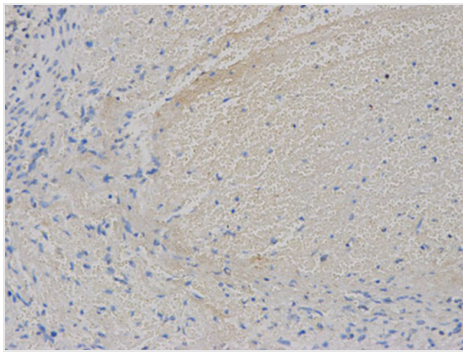
IMAGES


IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded

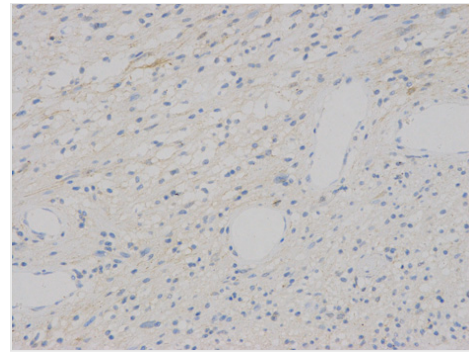

IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human epididymis using VEGFB antibody at dilution of 1:200 (200x lens).



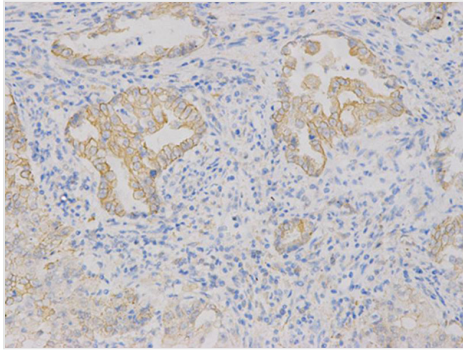
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human spleen hematoma using VEGFB antibody at dilution of 1:200 (200x lens). Immunohistochemical analysis of paraffin-embedded human stomach cancer using VEGFB antibody at dilution of 1:200 (200x lens).



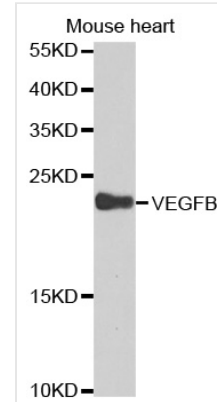
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human Neurilemmoma using VEGFB antibody at dilution of 1:200 (200x lens).



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human endometrial cancer using VEGFB antibody at dilution of 1:200 (200x lens).



WB (Western Blot)

Western blot analysis of extracts of mouse heart cell lines, using VEGFB antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-VEGFB antibody

Vascular endothelial growth factor (VEGF) is a highly specific mitogen for vascular endothelial cells. VEGF and its close relatives VEGF-B, -C and -D form a subfamily within PDGF family of growth factors, which belongs to the cysteine knot class of cytokines. Five VEGF isoforms of 121, 145, 165, 189 and 206 amino acids (VEGF₁₂₁-C₂₀₆) are generated as a result of alternative splicing from a single VEGF gene (1). The various VEGF forms bind to three tyrosine-kinase receptors, VEGFR-1, VEGFR-2 and VEGFR-3 which are expressed almost exclusively in endothelial cells. VEGFR-2 is the main angiogenic signal transducer for VEGF, while VEGFR-3 is specific for VEGF-C and -D and is necessary and sufficient for lymphangiogenic signaling. However, upon proteolytic processing VEGF-C and -D gain the ability to also bind and activate VEGFR-2 (2). Guided by the binding properties of the ligands, the VEGFRs are able to form both homodimers and heterodimers. Receptor dimerization is accompanied by activation of receptor kinase activity leading to receptor autophosphorylation. Phosphorylated receptors recruit interacting proteins and induce downstream signaling (3). Recently, tumor therapies based on neutralizing anti-VEGF antibodies and small molecule tyrosine kinase inhibitors targeting VEGFRs have been developed. These new strategies for tumor treatment show the clinical relevance of inhibiting VEGF signal transduction pathways that are exaggerated in pathological angiogenesis (4).

Product Categories/Family for anti-VEGFB antibody

Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	344179103
NCBI GeneID	7423
NCBI Accession #	NP_001230662.1
NCBI GenBank Nucleotide #	NM_001243733.1

UniProt Accession #	P49765 ; Q16528
Molecular Weight	21,261 Da
NCBI Official Full Name	vascular endothelial growth factor B isoform VEGFB-167
NCBI Official Synonym Full Names	vascular endothelial growth factor B
NCBI Official Symbol	VEGFB
NCBI Official Synonym Symbols	VRF; VEGFL
NCBI Protein Information	vascular endothelial growth factor B
UniProt Protein Name	Vascular endothelial growth factor B
UniProt Gene Name	VEGFB
UniProt Synonym Gene Names	VRF; VEGF-B; VRF
UniProt Entry Name	VEGFB_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://www.aaabiotech.com/polyclonal/vegfb-antibody-western-blot-immunohistochemistry-elisa/29683>