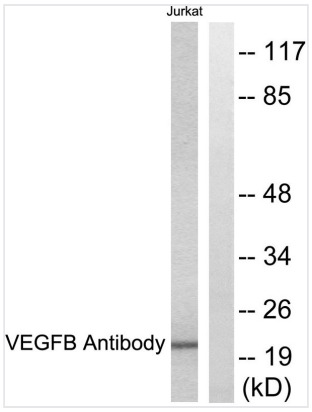
VEGFB Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	VEGFB, Polyclonal Antibody
Full Product Name	VEGFB Antibody
Product Gene Name	anti-VEGFB antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Purified from rabbit antiserum by affinity-chromatography using immunogen.
Concentration	1 mg/ml (lot specific)
Specificity	VEGFB Antibody detects endogenous levels of total VEGFB protein.
Preparation and Storage	Stable at -20 degree C for at least 1 year.
Molecular Weight	21 kDa
OMIM	U43368 mRNA
3D Structure	ModBase 3D Structure for P49765
Target Modification	Unmodified/Total
Immunogen	The antiserum was produced against synthesized peptide derived from human VEGFB.
Immunogen Range	91-140
Applications Tested/Suitable for anti-VEGFB antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-VEGFB antibody	WB: 1:500~1:1000 ELISA: 1:20000
Related Product Information for anti-VEGFB antibody	MBS9504782 is an antibody targeting VEGFB. Also known as VEGFB Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-VEGFB antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-VEGFB antibody
Western blot analysis of lysates from Jurkat cells, using VEGFB Antibody. The lane on the right is blocked with the synthesized peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for VEGFB. It may not necessarily be applicable to this product.

NCBI GI #	344179103
NCBI GeneID	7423
NCBI Accession #	NP_001230662.1
UniProt Primary Accession #	P49765
UniProt Secondary Accession #	Q16528
UniProt Related Accession #	P49765
GenBank Nucleotide #	NM_001243733.1
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
UniProt Protein Name	Vascular endothelial growth factor B
UniProt Synonym Protein Names	VEGF-related factor; VRF
Protein Family	Vascular endothelial growth factor
UniProt Gene Name	VEGFB
UniProt Synonym Gene Names	VRF; VEGF-B; VRF
NCBI Protein Information	vascular endothelial growth factor B
NCBI Summary for VEGFB	This gene encodes a member of the PDGF (platelet-derived growth factor)/VEGF (vascular endothelial growth factor) family. The VEGF family members regulate the formation of blood vessels and are involved in endothelial cell physiology. This member is a ligand for VEGFR-1 (vascular endothelial growth factor receptor 1) and NRP-1 (neuropilin-1). Studies in mice showed that this gene was co-expressed with nuclear-encoded mitochondrial genes and the encoded protein specifically controlled endothelial uptake of fatty acids. Alternatively spliced transcript variants encoding distinct isoforms have been identified. [provided by RefSeq, Sep 2011]
UniProt Comments for VEGFB	Growth factor for endothelial cells. VEGF-B167 binds heparin and neuropilin-1 whereas the binding to neuropilin-1 of VEGF-B186 is regulated by proteolysis.
Research Articles on VEGFB	**1.** Cardiac transgenic vascular endothelial growth factor-B overexpression failed to protect heart transplants from ischemia-reperfusion injury.

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