



VEGF-B Monoclonal Antibody

Catalog No	YP-mAb-15979
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	VEGFB
Immunogen	The antiserum was produced against synthesized peptide derived from human VEGFB. AA range:91-140
Specificity	VEGF-B Monoclonal Antibody detects endogenous levels of VEGF-B protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	VEGF B;VEGF related factor;VEGF-B;VEGF-related factor;VRF;VEGFB; Vascular endothelial growth factor B
Observed Band	21kD
Calculated Molecular Weight	21kD
Cell Pathway	Secreted. Secreted but remains associated to cells or to the extracellular matrix unless released by heparin.
Tissue Specificity	Expressed in all tissues except liver. Highest levels found in heart, skeletal muscle and pancreas.
Function	alternative products:Additional isoforms seem to exist,function: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.,PTM:VEGF-B186 is O-glycosylated.,similarity:Belongs to the PDGF/VEGF growth factor family.,subcellular location:Secreted but remains associated to cells or to the extracellular matrix unless released by heparin.,subunit:Homodimer; disulfide-linked. Can also form heterodimer with VEGF.,tissue specificity:Expressed in all tissues except liver. Highest levels found in heart, skeletal muscle and pancreas.,



Background

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],

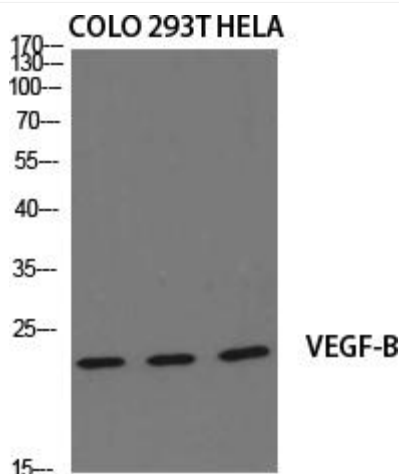
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using VEGF-B Monoclonal Antibody