

VEGF

Reactivity: Human Mouse Rat

Tested applications: WB IHC ICC FC

Recommended Dilution: WB 1:1000 - 1:4000 IHC 1:50- 1:200 ICC 1:50- 1:200 FC 1:100- 1:200

Calculated MW: 27kDa

Observed MW: Refer to Figures

Immunogen:

A synthetic peptide of human VEGF

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

VPF; VEGFA; MVCD1

Catalog #: A3098

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 7422

Isotype: IgG

Swiss Prot: P15692

Purity: Affinity purification

For research use only.

Background:

This gene is a member of the PDGF/VEGF growth factor family and encodes a protein that is often found as a disulfide linked homodimer. This protein is a glycosylated mitogen that specifically acts on endothelial cells and has various effects, including mediating increased vascular permeability, inducing angiogenesis, vasculogenesis and endothelial cell growth, promoting cell migration, and inhibiting apoptosis. Elevated levels of this protein is linked to POEMS syndrome, also known as Crow-Fukase syndrome. Mutations in this gene have been associated with proliferative and nonproliferative diabetic retinopathy. Alternatively spliced transcript variants, encoding either freely secreted or cell-associated isoforms, have been characterized. There is also evidence for the use of non-AUG (CUG) translation initiation sites upstream of, and in-frame with the first AUG, leading to additional isoforms.

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