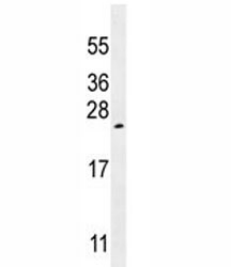
VEGF-A Antibody (F41972)

Catalog No.	Formulation	Size
F41972-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F41972-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P15692
Applications	Western blot: 1:1000
Limitations	This VEGF-A antibody is available for research use only.



VEGF-A antibody western blot analysis in K562 lysate. Expected molecular weight 19~22 kDa (monomer) and 38~44 kDa (dimer). Banding may appear larger than predicted due to glycosylation.

Description

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.

For additional information about VEGF biology, validated applications, and related products, learn more about our VEGF Antibody, an Angiogenesis Growth Factor Antibody for investigating endothelial signaling, tumor angiogenesis, vascular remodeling, and VEGF-mediated growth factor pathways.

Application Notes

Titration of the VEGF-A antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 328-355 (GKGQKRKRKKSRYKSWSVPCG) from the human protein was used as the immunogen for this VEGF-A antibody.

Storage

Aliquot the VEGF-A antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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