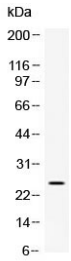
Vegf Antibody / Vegfa (R32753)

Catalog No.	Formulation	Size
R32753	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Rat
Predicted Reactivity	Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	Q00731
Applications	WB: 0.5-1ug/ml
Limitations	This Vegf antibody is available for research use only.



Western blot testing of rat kidney lysate with Vegf antibody at 0.5ug/ml. Expected molecular weight 19~22 kDa (monomer) and 38~44 kDa (dimer). Banding may appear larger than predicted due to glycosylation.

Description

VEGF, a homodimeric glycoprotein of relative molecular mass 45,000, is the only mitogen that specifically acts on endothelial cells. It may be a major regulator of tumor angiogenesis in vivo. It is, however, structurally related to platelet-derived growth factor. VEGF shares homology with the PDGF A chain and B chain, including conservation of all 8 cysteines found in PDGFA and PDGFB. VEGF gene contains 8 exons. And VEGF induces remodeling and enhances TH2-mediated sensitization and inflammation in the lung. This gene can also regulate haematopoietic stem cell survival

by an internal autocrine loop mechanism. WhatÂ's more, it also stimulates neurogenesis in vitro and in vivo.

Application Notes

Optimal dilution of the Vegf antibody should be determined by the researcher.

Immunogen

Amino acids A27-R214 from mouse Vegfa were used as the immunogen for the Vegf antibody.

Storage

After reconstitution, the Vegf antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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