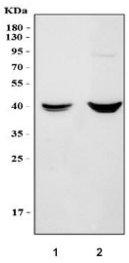
Vegfc Antibody / Vascular endothelial growth factor C (RQ8263)

Catalog No.	Formulation	Size
RQ8263	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P97953
Applications	Western blot: 0.5-1ug/ml ELISA: 0.1-0.5ug/ml
Limitations	This Vegfc antibody is available for research use only.



Western blot testing of 1) rat liver and 2) mouse liver tissue lysate with Vegfc antibody. Predicted molecular weight ~46 kDa.

Description

Vascular endothelial growth factor C (VEGF-C) is a protein that is a member of the platelet-derived growth factor / vascular endothelial growth factor (PDGF/VEGF) family. It is encoded in humans by the VEGFC gene, which is located on chromosome 4q34. Enables vascular endothelial growth factor receptor 3 binding activity. Involved in several processes, including negative regulation of osteoblast differentiation; positive regulation of angiogenesis; and positive regulation of mesenchymal stem cell proliferation. Acts upstream of or within several processes, including cellular response to leukemia inhibitory factor; positive regulation of lymphangiogenesis; and positive regulation of peptidyl-tyrosine

phosphorylation. Located in extracellular space. Is expressed in several structures, including alimentary system mesentery; brain; cardiovascular system; embryo mesenchyme; and genitourinary system. Used to study hereditary lymphedema. Human ortholog(s) of this gene implicated in breast carcinoma and hereditary lymphedema ID. Orthologous to human VEGFC (vascular endothelial growth factor C).

Application Notes

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

Immunogen

An E.coli-derived mouse recombinant protein (A108-R223) was used as the immunogen for the Vegfc antibody.

Storage

After reconstitution, the Vegfc 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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