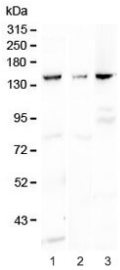
VEGF Receptor 1 Antibody / VEGFR1 / FLT1 (RQ4033)

Catalog No.	Formulation	Size
RQ4033	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P17948
Applications	Western Blot: 0.5-1ug/ml
Limitations	This VEGF Receptor 1 antibody is available for research use only.



Western blot testing of 1) rat kidney, 2) mouse liver and 3) mouse HEPA1-6 lysaste with VEGF Receptor 1 antibody at 0.5ug/ml. Predicted molecular weight ~150 kDa but may be observed at higher molecular weights due to glycosylation.

Description

Vascular endothelial growth factor receptor 1 (FLT1) is a protein that in humans is encoded by the FLT1 gene. Oncogene FLT belongs to the src gene family. It is mapped to 13q12. The deduced 1,338-amino acid protein has a calculated molecular mass of 150.6 kD. It has a 758-amino acid extracellular domain, followed by a 22-amino acid transmembrane region and a 558-amino acid cytoplasmic region containing a cluster of basic amino acids and a tyrosine kinase domain. sFLT-1 was identified in placenta, adult lung, kidney, liver and uterus. Like other members of this family, it shows tyrosine protein kinase activity that is important for the control of cell proliferation and differentiation.

Application Notes

Optimal dilution of the VEGF Receptor 1 antibody should be determined by the researcher.

Immunogen

Amino acids DPELSLKGTQHIMQAGQTLHLQCRGEAAHKWSLPEMVSKE from the human protein were used as the immunogen for the VEGF Receptor 1 antibody.

Storage

After reconstitution, the VEGF Receptor 1 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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