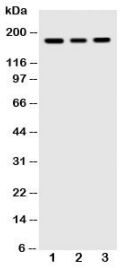
VEGFR Antibody / VEGF Receptor 1 / FLT1 (R30470)

Catalog No.	Formulation	Size
R30470	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
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 and 0.025% sodium azide/thimerosal
UniProt	P17948
Applications	Western Blot : 0.5-1ug/ml
Limitations	This VEGFR antibody is available for research use only.



Western blot testing of VEGFR antibody and human cell lysates: 1) MCF-7; 2) SGC; 3) MM231. Predicted molecular weight ~150 kDa but may be observed at higher molecular weights due to glycosylation.

Description

Vascular endothelial growth factor receptor 1 is a protein that in humans is encoded by the FLT1 gene and 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

The stated application concentrations are suggested starting amounts. Titration of the VEGFR antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of human VEGF Receptor 1 (HVSEGKRRFTYDHAELERK) was used as the immunogen for this VEGFR antibody.

Storage

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