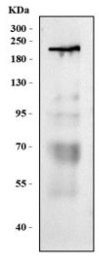
VEGFR-1 Antibody / FLT1 (RQ8496)

Catalog No.	Formulation	Size
RQ8496	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P17948
Applications	Western Blot : 0.5-1ug/ml ELISA : 0.1-0.5ug/ml
Limitations	This VEGFR-1 antibody is available for research use only.



Western blot testing of human placental tissue lysate with VEGFR-1 antibody. 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. This gene encodes a member of the vascular endothelial growth factor receptor (VEGFR) family. VEGFR family members are receptor tyrosine kinases (RTKs) which contain an extracellular ligand-binding region with seven immunoglobulin (Ig)-like domains, a transmembrane segment, and a tyrosine kinase (TK) domain within the cytoplasmic domain. This protein binds to VEGFR-A, VEGFR-B and placental growth factor and plays an important role in angiogenesis and vasculogenesis. Expression of this receptor is found in vascular endothelial cells, placental trophoblast cells and peripheral blood monocytes. Multiple transcript variants encoding different isoforms have been found for this gene.

Isoforms include a full-length transmembrane receptor isoform and shortened, soluble isoforms. The soluble isoforms are associated with the onset of pre-eclampsia.

Application Notes

Optimal dilution of the VEGFR-1 antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (amino acids S27-R73) was used as the immunogen for the VEGFR-1 antibody.

Storage

After reconstitution, the VEGFR-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.