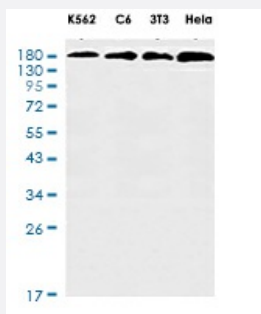


RecomAb™

FLT1 recombinant monoclonal antibody, clone R06-1A4

Catalog # RAB01198 Size 100 uL

Applications



Western Blot

Western blot analysis of VEGF Receptor 1 in K562, C6, 3T3, HeLa lysates using VEGF Receptor 1 antibody.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human FLT1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human VEGF Receptor 1.
Theoretical MW (kDa)	Calculated MW: 151 k
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Western Blot Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) Immunoprecipitation The optimal working dilution should be determined by the end user.
Storage Buffer	In 50mM Tris-Glycine pH 7.4 (0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)

Storage Instruction

Store at 4°C. For longer storage, aliquot and store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of VEGF Receptor 1 in K562, C6, 3T3, Hela lysates using VEGF Receptor 1 antibody.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

- Immunoprecipitation

Gene Info — FLT1

Entrez GeneID[2321](#)**Protein Accession#**[P17948](#)**Gene Name**

FLT1

Gene Alias

FLT, VEGFR1

Gene Description

fms-related tyrosine kinase 1 (vascular endothelial growth factor/vascular permeability factor receptor)

Omim ID[165070](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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.

Other Designations

fms-related tyrosine kinase 1|soluble VEGF receptor 1-14|soluble VEGFR1 variant 2|soluble VEGFR1 variant 21|vascular endothelial growth factor/vascular permeability factor receptor

Pathway

- [Cytokine-cytokine receptor interaction](#)
- [Endocytosis](#)
- [Focal adhesion](#)

Disease

- [Abortion](#)
- [Adenocarcinoma](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchial Hyperreactivity](#)
- [Cardiovascular Diseases](#)
- [Cell Transformation](#)
- [Chorioamnionitis](#)
- [Colorectal Neoplasms](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Fetal Growth Retardation](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
- [Hypersensitivity](#)
- [Inflammation](#)
- [Kidney Failure](#)

- [Lymphoma](#)
- [Malaria](#)
- [Melanoma](#)
- [Neovascularization](#)
- [Obstetric Labor](#)
- [Placenta Diseases](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Sarcoidosis](#)
- [Scleroderma](#)
- [Skin Neoplasms](#)
- [Vaginitis](#)