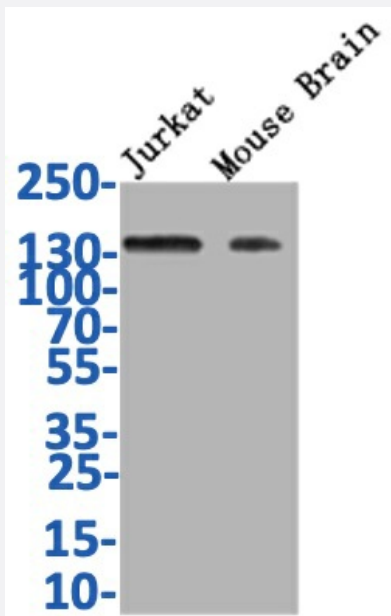


RecomAb™

FLT1 recombinant monoclonal antibody, clone 40H4

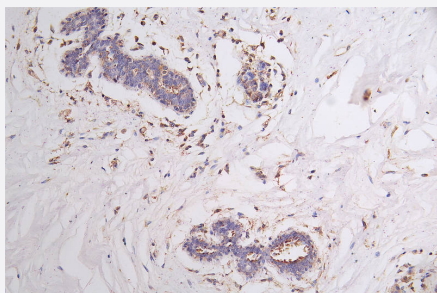
Catalog # RAB07692 Size 100 uL

Applications



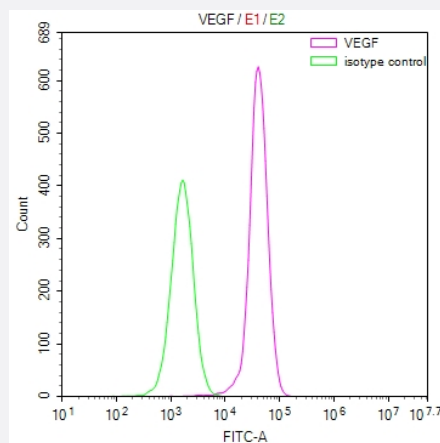
Western Blot

Western Blot analysis of Lane 1: JK whole cell lysate; Lane 2: Mouse Brain tissue lysate.



Immunohistochemistry

Immunohistochemistry image of FLT1 recombinant monoclonal antibody, clone 40H4 diluted at 1:100 and staining in paraffin-embedded human breast cancer performed on a Leica Bond™ system.



Flow Cytometry

Overlay Peak curve showing MCF-7 cells stained with FLT1 recombinant monoclonal antibody, clone 40H4 (red line) at 1:50.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human and mouse FLT1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human FLT1.
Reactivity	Human, Mouse
Form	Liquid
Purification	Affinity chromatography purification
Isotype	IgG
Recommend Usage	ELISA Flow Cytometry(1:50-1:200) Immunohistochemistry(1:50-1:200) Western Blot(1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)
Storage Instruction	Store at -20°C or -80°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 Lane 1: JK whole cell lysate; Lane 2: Mouse Brain tissue lysate.

- Immunohistochemistry

Immunohistochemistry image of FLT1 recombinant monoclonal antibody, clone 40H4 diluted at 1:100 and staining in paraffin-embedded human breast cancer performed on a Leica Bond™ system.

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

Overlay Peak curve showing MCF-7 cells stained with FLT1 recombinant monoclonal antibody, clone 40H4 (red line) at 1:50.

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](#)