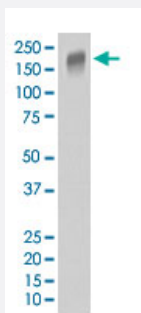


FLT1 monoclonal antibody, clone AFH-6

Catalog # MAB20845 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot (Cell lysate) analysis of A431 cell lysate.

Specification

Product Description Rabbit monoclonal antibody raised against synthetic peptide of human FLT1.

Immunogen A synthetic peptide corresponding to human FLT1.

Host Rabbit

Reactivity Human, Mouse, Rat

Form Liquid

Purification Affinity purification

Isotype IgG

Recommend Usage

- Flow Cytometry (1:50)
- Immunoprecipitation (1:50)
- Immunocytochemistry (1:50-200)
- Immunofluorescence (1:50-200)
- Immunohistochemistry (1:50-200)
- Western Blot (1:500-2000)
- The optimal working dilution should be determined by the end user.

Storage Buffer In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).

Storage Instruction

Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. 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 (Cell lysate)

Western Blot (Cell lysate) analysis of A431 cell lysate.

- Immunohistochemistry

- Immunocytochemistry

- Immunofluorescence

- Immunoprecipitation

- Flow Cytometry

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](#)