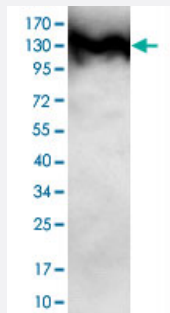


KDR monoclonal antibody

Catalog # MAB11152 Size 50 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of HeLa whole cell lysate 40 ug/lane with KDR monoclonal antibody (Cat # MAB11152) at 1:1000 dilution.
Predicted band size: 152 KDa. Observed band size: 130 KDa.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant protein of KDR.
Immunogen	Recombinant protein corresponding to C-terminus of human KDR.
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein G purification
Recommend Usage	ELISA (1:5000-1:20000) Western Blot (1:100-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	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 (Cell lysate)

Western blot analysis of HeLa whole cell lysate 40 ug/lane with KDR monoclonal antibody (Cat # MAB11152) at 1:1000 dilution. Predicted band size: 152 KDa. Observed band size: 130 KDa.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — KDR

Entrez GeneID [3791](#)

Protein Accession# [NM_002253.2](#)

Gene Name KDR

Gene Alias CD309, FLK1, VEGFR, VEGFR2

Gene Description kinase insert domain receptor (a type III receptor tyrosine kinase)

Omim ID [191306 602089](#)

Gene Ontology [Hyperlink](#)

Gene Summary Vascular endothelial growth factor (VEGF) is a major growth factor for endothelial cells. This gene encodes one of the two receptors of the VEGF. This receptor, known as kinase insert domain receptor, is a type III receptor tyrosine kinase. It functions as the main mediator of VEGF-induced endothelial proliferation, survival, migration, tubular morphogenesis and sprouting. The signalling and trafficking of this receptor are regulated by multiple factors, including Rab GTPase, P2Y purine nucleotide receptor, integrin alphaVbeta3, T-cell protein tyrosine phosphatase, etc.. Mutations of this gene are implicated in infantile capillary hemangiomas. [provided by RefSeq]

Other Designations soluble VEGFR2|vascular endothelial growth factor receptor 2

Pathway

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

Disease

- [Adenocarcinoma](#)
- [Alzheimer disease](#)
- [Angina Pectoris](#)
- [Anoxia](#)
- [Asthma](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cerebral Hemorrhage](#)
- [Colorectal Neoplasms](#)
- [Coronary Disease](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Drug Toxicity](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Femur Head Necrosis](#)
- [Foot Dermatoses](#)
- [Genetic Predisposition to Disease](#)
- [Gilbert Disease](#)
- [Glioma](#)

- [Hot Flashes](#)
- [Hyperbilirubinemia](#)
- [Hypercholesterolemia](#)
- [Hypersensitivity](#)
- [Hypertension](#)
- [Kidney Failure](#)
- [Kidney Neoplasms](#)
- [Leukemia](#)
- [Liver Neoplasms](#)
- [Lung Neoplasms](#)
- [Lymphatic Metastasis](#)
- [Lymphedema](#)
- [Macular Degeneration](#)
- [Metabolic Syndrome X](#)
- [Mucocutaneous Lymph Node Syndrome](#)
- [Myocardial Infarction](#)
- [Neoplasm Invasiveness](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Neovascularization](#)
- [Osteonecrosis](#)
- [Osteoporosis](#)
- [Psychomotor Performance](#)
- [Recurrence](#)
- [Sarcoidosis](#)
- [Scleroderma](#)

- [Stroke](#)
- [Uterine Cervical Neoplasms](#)