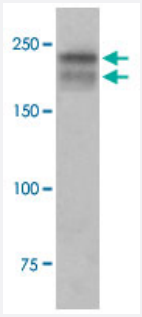
KDR monoclonal antibody, clone CIH-11

Catalog # MAB20846 Size 100 uL

Applications



Western Blot (Tissue lysate)

Western Blot (Tissue lysate) analysis of human placenta lysate.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human KDR.
Immunogen	A synthetic peptide corresponding to human KDR.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunoprecipitation (1:20) Western Blot (1:500-1000) 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 st ored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

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

Applications

- Immunoprecipitation
- Western Blot (Tissue lysate)

  Western Blot (Tissue lysate) analysis of human placenta lysate.

Gene Info — KDR

Entrez GeneID	3791
Protein Accession#	P35968
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 rec eptor, is a type III receptor tyrosine kinase. It functions as the main mediator of VEGF-induced end othelial proliferation, survival, migration, tubular morphogenesis and sprouting. The signalling and trafficking of this receptor are regulated by multiple factors, including Rab GTPase, P2Y purine nu cleotide receptor, integrin alphaVbeta3, T-cell protein tyrosine phosphatase, etc.. Mutations of thi s 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

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- 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

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- 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

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- Scleroderma
- Stroke
- Uterine Cervical Neoplasms

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