KDR monoclonal antibody, clone KDR-1

Catalog # MAB1454 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against full length recombinant KDR.
Immunogen	Recombinant protein corresponding to full length human KDR.
Host	Mouse
Theoretical MW (kDa)	151.5
Reactivity	Human
Form	Lyophilized
Purification	Affinity purification
Isotype	IgG1
Recommend Usage	Western Blot (0.5-1 ug/mL) Immunohistochemistry (Frozen sections) (1-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from 1.2% sodium acetate (2 mg BSA, 0.01 mg sodium azide)
Storage Instruction	Store at -20°C on dry atmosphere. After reconstitution with 1 mL of 1.2% sodium acetate or neutral PBS and concentration will be 100 u g/mL, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Frozen sections)
- Western Blot

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Gene Info — KDR

Entrez GeneID	3791
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

Publication Reference

- Angiogenesis in cancer, vascular, rheumatoid and other disease.

  Folkman J.

  Nature Medicine 1995 Jan; 1(1):27.

  Application: ELISA, Human, Blood, Tumors

- Glioblastoma growth inhibited in vivo by a dominant-negative Flk-1 mutant.

  Millauer B, Shawver LK, Plate KH, Risau W, Ullrich A.

  Nature 1994 Feb; 367(6463):576.

Pathway

- Cytokine-cytokine receptor interaction
- Endocytosis

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Sarcoidosis
- Scleroderma
- Stroke
- Uterine Cervical Neoplasms

Copyright © 2023 Abnova Corporation. All Rights Reserved.