



[Go to Product page](#)

Datasheet for ABIN969231

anti-VEGFR2/CD309 antibody (AA 20-764)

3 Images

1 Publication

Overview

Quantity:	100 µL
Target:	VEGFR2/CD309 (VEGFR2)
Binding Specificity:	AA 20-764
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This VEGFR2/CD309 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Immunogen:	Purified recombinant extracellular fragment of human KDR (aa20-764) fused with hlgGfC tag expressed in HEK293 cells.
Clone:	4B4
Isotype:	IgG1
Purification:	purified

Target Details

Target:	VEGFR2/CD309 (VEGFR2)
Alternative Name:	KDR (VEGFR2 Products)
Background:	Description: KDR has also been designated as VEFr-2 (Vascular endothelial growth factor

Target Details

receptor 2), CD309 (cluster of differentiation 309) and Flk1 (fetal liver kinase 1). Vascular endothelial growth factor (VEGF) is a major growth factor for endothelial cells. KDR is 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.

Aliases: FLK1, CD309, VEGFR, VEGFR2

Molecular Weight: 152 kDa

Gene ID: 3791

HGNC: 3791

Pathways: [RTK Signaling](#), [Glycosaminoglycan Metabolic Process](#), [Signaling Events mediated by VEGFR1 and VEGFR2](#), [Growth Factor Binding](#), [Regulation of long-term Neuronal Synaptic Plasticity](#), [VEGF Signaling](#)

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: 1:200 - 1:1000, FCM: 1:200 - 1:400

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

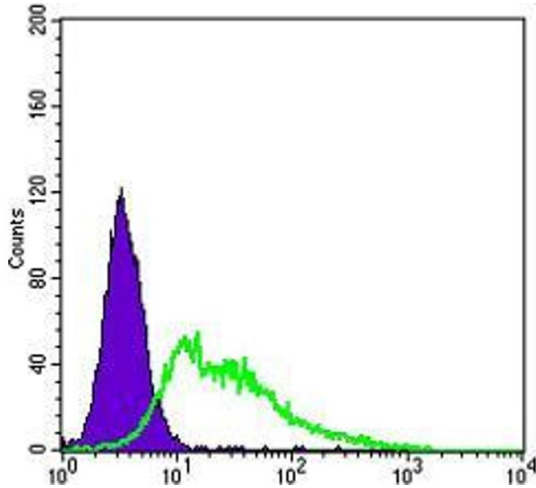
Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage

Publications

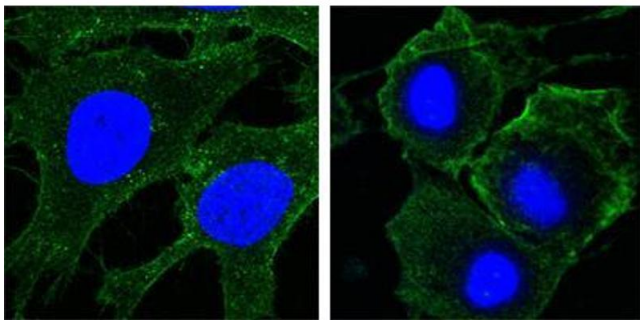
Product cited in: Jacques, Pereira, Maia, Cuzzi, Ramos-e-Silva: "Expression of cytokeratins 10, 13, 14 and 19 in

Images



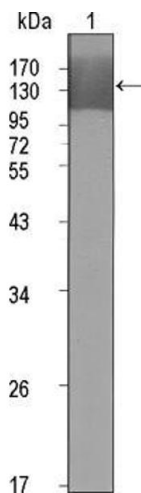
Flow Cytometry

Image 1. Flow cytometric analysis of HepG2 cells using KDR mouse mAb (green) and negative control (purple).



Immunofluorescence

Image 2. Confocal immunofluorescence analysis of HeLa (left) and HepG2 (right) cells using KDR mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.



Western Blotting

Image 3. Western blot analysis using KDR mouse mAb against extracellular domain of human KDR (aa20-764).