

For Research Use Only

VEGFR2/KDR Monoclonal antibody, PBS Only

Catalog Number: 67407-1-PBS



Basic Information

Catalog Number: 67407-1-PBS	GenBank Accession Number: BC131822	Purification Method: Protein G purification
Size: 100ug , Concentration: 1000 ug/ml by 3791 Nanodrop;	GeneID (NCBI): UNIPROT ID: P35968	CloneNo.: 1G2A8
Source: Mouse	Full Name: kinase insert domain receptor (a type III receptor tyrosine kinase)	
Isotype: IgG1	Calculated MW: 1356 aa, 152 kDa	
Immunogen Catalog Number: AG24589	Observed MW: 230 kDa	

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human

Background Information

KDR, also named as VEGFR-2, FLK1 and CD309, is a receptor for VEGF or VEGFC. KDR which belongs to the protein kinase superfamily, has a tyrosine-protein kinase activity. The VEGF-kinase ligand/receptor signaling system plays a key role in vascular development and regulation of vascular permeability. In case of HIV-1 infection, the interaction with extracellular viral Tat protein seems to enhance angiogenesis in Kaposi's sarcoma lesions. KDR functions as the main mediator of VEGF-induced endothelial proliferation, survival, migration, tubular morphogenesis and sprouting. Mutations of this gene are implicated in infantile capillary hemangiomas.

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



human placenta tissue were subjected to SDS PAGE followed by western blot with 67407-1-Ig (VEGFR2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67407-1-PBS in a different storage buffer formulation.