

For Research Use Only

VEGFR2 Polyclonal antibody

Catalog Number: 26415-1-AP

Featured Product

44 Publications



Basic Information

Catalog Number:

26415-1-AP

Size:

150ul, Concentration: 650 µg/ml by Nanodrop and 400 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG24589

GenBank Accession Number:

BC131822

GeneID (NCBI):

3791

Full Name:

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

Calculated MW:

1356 aa, 152 kDa

Observed MW:

200 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

FC, WB, ELISA

Cited Applications:

FC, IF, IHC, WB

Species Specificity:

human, mouse

Cited Species:

human, mouse, rat, sheep

Positive Controls:

WB: human placenta tissue, mouse heart tissue

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Qiang Ma	31562866	Eur J Pharmacol	WB
Yongyun Li	34536440	J Mol Cell Cardiol	IF
Yao Ding	34492084	PLoS Pathog	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

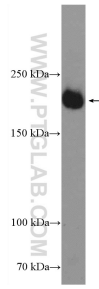
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

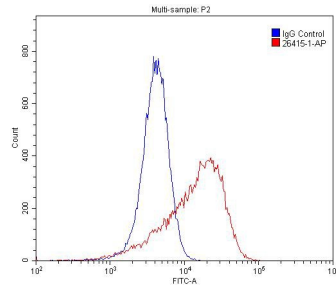
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



human placenta tissue were subjected to SDS PAGE followed by western blot with 26415-1-AP (VEGF Receptor 2 antibody at dilution of 1:600 incubated at room temperature for 1.5 hours.



1×10^6 HUVEC cells were stained with 0.2ug VEGF Receptor 2 antibody (26415-1-AP, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.