

For Research Use Only

# VEGF Receptor 2 Polyclonal antibody



Catalog Number: 18975-1-AP

1 Publications

## Basic Information

### Catalog Number:

18975-1-AP

### Size:

150ul , Concentration: 133 µg/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

NM\_002253

### GeneID (NCBI):

3791

### UNIPROT ID:

P35968

### Full Name:

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

### Calculated MW:

152 kDa

### Purification Method:

Antigen affinity purification

## Applications

### Tested Applications:

ELISA

### Cited Applications:

IHC

### Species Specificity:

human

### Cited Species:

mouse

## 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
Xu Chang C	23903370	Kidney Int	IHC

## 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

\*\*\* 20ul sizes contain 0.1% BSA

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

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