

For Research Use Only

# VEGF Receptor 2 Polyclonal antibody



Catalog Number: 18975-1-AP

1 Publications

## Basic Information

Catalog Number:

18975-1-AP

Size:

130 µg/ml

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

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

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## Selected Validation Data