

## KDR

**Reactivity:**Rat

**Tested applications:**WB

**Recommended Dilution:**WB 1:500 - 1:2000

**Calculated MW:**152kDa

**Observed MW:**Refer to Figures

**Immunogen:**

A synthetic peptide of human KDR

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Concentration:**

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**Synonym:**

FLK1; VEGFR2; CD309; Fetal liver kinase 1;

**Catalog #:**A7695

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**3791

**Isotype:**IgG

**Swiss Prot:**P35968

**Purity:**Affinity purification

For research use only.

**Background:**

Vascular endothelial growth factor (VEGF) is a major growth factor for endothelial cells. This gene encodes 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  $\alpha V\beta 3$ , T-cell protein tyrosine phosphatase, etc.. Mutations of this gene are implicated in infantile capillary hemangiomas.

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