

## Phospho-KDR-Y1175

**Reactivity:**Human Mouse Rat

**Tested applications:**WB IHC IF

**Recommended Dilution:**WB 1:500 - 1:1000 IHC 1:50 - 1:100 IF 1:100 - 1:200

**Calculated MW:**152kDa

**Observed MW:**Refer to Figures

**Immunogen:**

A phospho specific peptide corresponding to residues surrounding Y1175 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; CD309; VEGFR; VEGFR2;

**Catalog #:**AP0382

**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 alphaVbeta3, T-cell protein tyrosine phosphatase, etc.. Mutations of this gene are implicated in infantile capillary hemangiomas.

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