

## Flk-1/Flt-4 Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP03273
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human VEGFR2. AA range:1020-1069
<b>Mol wt</b>	151527
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	IHC-p, IF, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Flk-1/Flt-4 Antibody
<b>Synonyms</b>	KDR; FLK1; VEGFR2; Vascular endothelial growth factor receptor 2; VEGFR-2; Fetal liver kinase 1; FLK-1; Kinase insert domain receptor; KDR; Protein-tyrosine kinase receptor flk-1; CD antigen CD309; FL

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

Vascular endothelial growth factor (VEGF) is a major growth factor for endothelial cells. KDR encodes one of the two receptors of the VEGF. Kinase insert domain 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 KDR are implicated in infantile capillary hemangiomas.

### Recommended Dilution

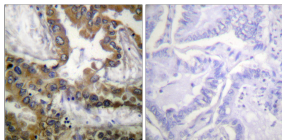
IHC: 1: 100 - 1: 300

IF: 1: 200 - 1: 1000

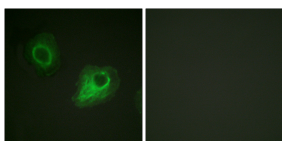
ELISA: 1: 40000

Not yet tested in other applications.

### Images



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using VEGFR2 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunofluorescence analysis of HeLa cells, using VEGFR2 Antibody. The picture on the right is blocked with the synthesized peptide.

### Storage

-20°C for one year

501 Changsheng S Rd, Nanhu Dist, Jiaxing, Zhejiang, China

Tel: 86 21 31007137 | E-mail: [save@bt-laboratory.com](mailto:save@bt-laboratory.com) | [www.bt-laboratory.com](http://www.bt-laboratory.com)