bs-1083R

VEGFR3 Polyclonal Antibody

--- DATASHEET ---

**Host:** Rabbit  
**Target Protein:** VEGFR3  
**Immunogen:** 920-970/1363  
**Range:**  
**Clonality:** Polyclonal  
**Isotype:** IgG  
**Entrez Gene:** 14257  
**Swiss Prot:** P35917  
**Source:** KLH conjugated synthetic peptide derived from mouse VEGFR3  
**Purification:** Purified by Protein A.  
**Storage:** Aqueous buffered solution containing 100ug/ml BSA, 50% glycerol and 0.09% sodium azide. Store at -20°C for 12 months.  
**Background:** Tyrosine-protein kinase that acts as a cell-surface receptor for VEGFC and VEGFD, and plays an essential role in adult lymphangiogenesis and in the development of the vascular network and the cardiovascular system during embryonic development. Promotes proliferation, survival and migration of endothelial cells, and regulates angiogenic sprouting. Signaling by activated FLT4 leads to enhanced production of VEGFC, and to a lesser degree VEGFA, thereby creating a positive feedback loop that enhances FLT4 signaling. Modulates KDR signaling by forming heterodimers. Mediates activation of the MAPK1/ERK2, MAPK3/ERK1 signaling pathway, of MAPK8 and the JUN signaling pathway, and of the AKT1 signaling pathway. Phosphorylates SHC1. Mediates phosphorylation of PIK3R1, the regulatory subunit of phosphatidylinositol 3-kinase. Promotes phosphorylation of MAPK9 at 'Thr-183' and 'Tyr-185', and of AKT1 at 'Ser-473'.

--- PRODUCT SPECIFIC PUBLICATIONS ---

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**Size:** 100ul  
**Concentration:** 1ug/ul  
**Applications:**  
- WB(1:100-1000)  
- IHC-P(1:100-500)  
- IF(IHC-P)(1:50-200)  
**Cross Reactive Species:** Human, Mouse, Rat  
**For research use only. Not intended for diagnostic or therapeutic use.