

**bs-0565R****[ Primary Antibody ]****VEGFR2 Rabbit pAb****BioSS**  
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**— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> Flow-Cyt (1µg/Test)
<b>Clonality:</b> Polyclonal		<b>Reactivity:</b> (predicted: Human, Mouse, Rat, Pig, Cow, Dog)
<b>GeneID:</b> 3791	<b>SWISS:</b> P35968	
<b>Target:</b> VEGFR2		<b>Predicted MW.:</b> 147 kDa
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human VEGFR2: 1001-1100/1356. < Cytoplasmic >		<b>Subcellular Location:</b> Secreted ,Cell membrane ,Cytoplasm ,Nucleus
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
<b>Background:</b> 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. [provided by RefSeq, May 2009].		

**— SELECTED CITATIONS —**

- **[IF=6.038]** Liao, Xiaodan. et al. Fullerene nanoparticles for the treatment of ulcerative colitis. 2021 Nov 02 WB ;Rat. 34735681
- **[IF=4.6]** Yanaga Hiroko. et al. Successful fat-only whole breast reconstruction using cultured mature adipocytes and conditioned medium containing MCP-1. SCI REP-UK. 2023 Nov;13(1):1-14 IHC ;Human. 37923755
- **[IF=4.15]** Wang, Nan, et al. "Vascular endothelial growth factor stimulates endothelial differentiation from mesenchymal stem cells via Rho/myocardin-related transcription factor-A signaling pathway." The International Journal of Biochemistry & Cell Biology (2013). WB ;Human, Rat. 23624342
- **[IF=3.73]** Gao, Jin-Hang, et al. "Celecoxib Ameliorates Portal Hypertension of the Cirrhotic Rats through the Dual Inhibitory Effects on the Intrahepatic Fibrosis and Angiogenesis." PLOS ONE 8.7 (2013): e69309. WB,IHC ;Rat. 23922700
- **[IF=3.923]** Li H et al. siRNA - mediated silencing of PAI - 1 gene acts as a promoter over the recanalization of endothelial progenitor cells in rats with venous thrombosis. J Cell Physiol. 2019 Apr 14. ICC ;Rat. 30982977