

VEGFR2 Rabbit pAb

Catalog Number: bs-0565R

Target Protein: VEGFR2

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: Flow-Cyt (1µg/Test)

Reactivity: Human, Mouse, Rat (predicted:Pig, Cow, Dog)

Predicted MW: 147 kDa

Entrez Gene: 3791

Swiss Prot: P35968

Source: KLH conjugated synthetic peptide derived from human VEGFR2: 1001-1100/1356.

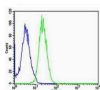
Purification: affinity purified by Protein A

Storage: 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.

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. [provided by RefSeq, May 2009].

VALIDATION IMAGES



Tissue/cell: Human esophageal cancer tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-VEGFR2 Polyclonal Antibody, Unconjugated (bs-0565R) 1:200, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated (bs-0295G-Cy3) used at 1:200 dilution for 40 minutes at 37°C. DAPI (5µg/ml, blue, C-0033) was used to stain the cell nuclei

PRODUCT SPECIFIC PUBLICATIONS

[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