

## VEGFR1 Rabbit pAb

Catalog Number: bs-0170R

Target Protein: VEGFR1

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:400-800), IF (1:100-500)

Reactivity: Human

Predicted MW: 147 kDa

Source: KLH conjugated synthetic peptide derived from mouse VEGFR1: 1162-1260/1333.

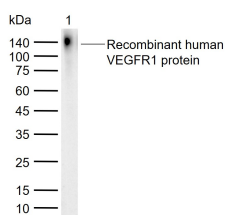
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

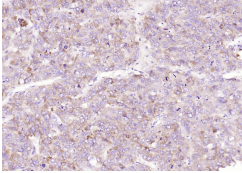
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** VEGF Receptor 1 (also known as FLT) belongs to the src gene family and shows tyrosine protein kinase activity that is important for the control of cell proliferation and differentiation. The protein acts as a receptor for VEGF, VEGFB and PGF. An alternatively spliced form of the gene produces a soluble protein (sFlt1) which binds vascular endothelial growth factor (VEGF) with high affinity. sFlt1 has a higher affinity for VEGF indicating that it may function as an inhibitor in the VEGF response. VEGF Receptor 1 is specifically expressed in most vascular endothelial cells and peripheral blood monocytes.

### VALIDATION IMAGES



Sample: Lane 1: Recombinant human VEGFR1 protein, C-His (HEK293)( bs-41611P) Primary: Anti-VEGFR1 (bs-0170R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 147 kDa Observed band size: 140 kDa



Paraformaldehyde-fixed, paraffin embedded (human liver carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (VEGFR1) Polyclonal Antibody, Unconjugated (bs-0170R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

## PRODUCT SPECIFIC PUBLICATIONS

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[IF=6.8] Ye Jiazhou. et al. Single cell-spatial transcriptomics and bulk multi-omics analysis of heterogeneity and ecosystems in hepatocellular carcinoma. NPJ PRECIS ONCOL. 2024 Nov;8(1):1-18 IHC ; Human . 39548284

[IF=2.83] Liu, Huayan, et al. "Paeoniflorin attenuates A $\beta$  1-42-induced inflammation and chemotaxis of microglia in vitro and inhibits NF- $\kappa$ B-and VEGF/Flt-1 signaling pathways." Brain Research (2015). WB ; ="Rat" . 26049130

[IF=3.423] Qi Rao. et al. Alcohol extracts from Anemone flaccida Fr. Schmidt treat rheumatoid arthritis via inhibition of synovial hyperplasia and angiogenesis. MOL MED REP. 2023 Apr;27(4):1-12 WB ; Human . 36896766

[IF=2.766] Ning et al. Vascular endothelial growth factor receptor-1 activation promotes migration and invasion of breast cancer cells through epithelial-mesenchymal transition. (2013) PLoS.One. 8:e65217 IHC ; Human . 23776453

[IF=3.24] Enoch Odame Anto. et al. Placental lesions and differential expression of pro-and anti-angiogenic growth mediators and oxidative DNA damage marker in placentae of Ghanaian suboptimal and optimal health status pregnant women who later developed preeclampsia. Plos One. 2022 Mar;17(3):e0265717 IHC ; Human . 35312727