

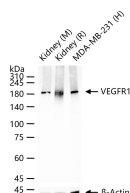
bs-0170R**[Primary Antibody]****VEGFR1 Rabbit pAb****Bioss**
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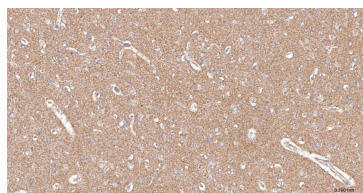
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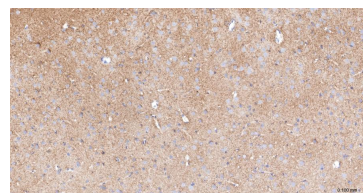
400-901-9800

— DATASHEET —**Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**Target:** VEGFR1**Immunogen:** KLH conjugated synthetic peptide derived from mouse VEGFR1: 1162-1260/1333. < Cytoplasmic >**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**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.**Applications:** **WB** (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:400-800)**IF** (1:100-500)**Reactivity:** Human, Mouse, Rat**Predicted MW.:** 147 kDa**Subcellular Location:** Secreted ,Cell membrane ,Cytoplasm**— VALIDATION IMAGES —**

25 ug total protein per lane of various lysates (see on figure) probed with VEGFR1 polyclonal antibody, unconjugated (bs-0170R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded Human Glioma; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with VEGFR1 Polyclonal Antibody, Unconjugated (bs-0170R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Mouse Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with VEGFR1 Polyclonal Antibody, Unconjugated (bs-0170R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.

— SELECTED CITATIONS —

- **[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=4.6]** Marc Mico-Carnero. et al.Relevance of the GH-VEGFB/VEGFA axis in liver grafts from brain-dead donors with alcohol-associated liver disease.FRONTIERS IN CELL AND DEVELOPMENTAL BIOLOGY.2025 Jan 7:12:1455258. ;Rat. 39839674
- **[IF=2.83]** Liu, Huayan, et al. "Paeoniflorin attenuates Aβ 1-42-induced inflammation and chemotaxis of microglia in vitro and inhibits NF-κB-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

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- **[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