bs-1665R **[Primary Antibody]**

VEGFA Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 7422 **SWISS:** P15692

Target: VEGFA

Immunogen: KLH conjugated synthetic peptide derived from human VEGF: 81-132/232.

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: Vascular endothelial growth factor (VEGF), originally known as vascular permeability factor (VPF), is a signal protein produced by cells that stimulates the formation of blood vessels. To be specific, VEGF is a sub-family of growth factors, the platelet-derived growth factor family of cystine-knot growth factors. They are important signaling proteins involved in both vasculogenesis (the de novo formation of the embryonic circulatory system) and angiogenesis (the growth of blood vessels from pre-existing vasculature).

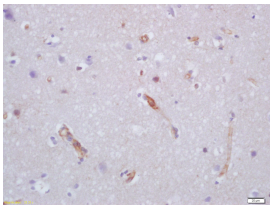
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
ELISA (1:5000-10000)

Reactivity: Human (predicted: Rabbit, Pig, Sheep, Cow, Dog, Horse)

Predicted MW.: 24 kDa

Subcellular Location: Secreted

VALIDATION IMAGES



Tissue/cell: human brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-VEGF Polyclonal Antibody, Unconjugated(bs-1665R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

SELECTED CITATIONS

- **[IF=15.304]** Rajendra K. Singh. et al. Diabetic bone regeneration with nanoceria-tailored scaffolds by recapitulating cellular microenvironment: Activating integrin/TGF-β co-signaling of MSCs while relieving oxidative stress. BIOMATERIALS. 2022 Aug;:121732 IF ;Rat. 36031457
- **[IF=7.7]** Jingjunjiao Long. et al. Nanosilicate-reinforced GelMA-PEGDA hydrogel promotes angiogenesis for bone regeneration. INT J BIOL MACROMOL. 2024 Jun;:133202 WB ;Human. 38889828
- **[IF=5.168]** Gu et al. Fasudil attenuates soluble fms-like tyrosine kinase-1 (sFlt-1)-induced hypertension in pregnant mice through RhoA/ROCK pathway. (2017) Oncotarget. 8:104104-104112 WB,IHC ;Human, Mouse. 29262624

- **[IF=4.6]** Ke Minhui. et al. Establishment and study of a rat internal haemorrhoid model. SCI REP-UK. 2023 Dec;13(1):1-10 IHC ;Rat. 38049459
- **[IF=5.4]** Feng Qiu. et al. The mechanism of Chebulae Fructus Immaturus promote diabetic wound healing based on network pharmacology and experimental verification. J ETHNOPHARMACOL. 2024 Mar;322:117579 IHC,WB ;Mouse,Human. 38104882