bs-0279R **[Primary Antibody]**

VEGFA Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 7422 **SWISS:** P15692

Target: VEGFA

Immunogen: KLH conjugated synthetic peptide derived from human VEGF: 27-120/232.

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).

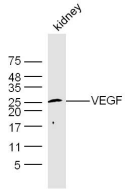
Applications: **WB** (1:500-1000)

Reactivity: Mouse, Rat

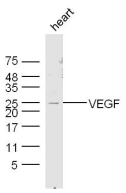
Predicted MW.: 24 kDa

Subcellular Location: Secreted

VALIDATION IMAGES



Sample: Kidney(Mouse) Lysate at 30 ug Primary: Anti-VEGF (bs-0279R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 24 kD Observed band size: 25 kD



Sample: Heart(Mouse) Lysate at 30 ug Primary: Anti-VEGF (bs-0279R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 24 kD Observed band size: 25 kD

SELECTED CITATIONS

- **[IF=16.744]** Xiaoyu Ma. et al. Multifunctional injectable hydrogel promotes functional recovery after stroke by modulating microglial polarization, angiogenesis and neuroplasticity. CHEM ENG J. 2023 May;464:142520 IF ;Mouse. 10.1016/j.cej.2023.142520
- **[IF=10.383]** Peiyang Gu. et al. Tailorable 3DP Flexible Scaffolds with Porosification of Filaments Facilitate Cell Ingrowth and Biomineralized Deposition. ACS APPL MATER INTER. 2022;XXXX(XXX):XXX-XXX WB ;Mouse. 35829709
- **[IF=7.786]** Shiou-Ling Lu. et al. VEGF-Mediated Augmentation of Autophagic and Lysosomal Activity in Endothelial Cells Defends against Intracellular Streptococcus pyogenes | mBio. MBIO. 2022 Jul;: WB ;Escherichia coli. 35862783
- **[IF=7.7]** Jiajun Hu. et al. Arginine-loaded globular BSAMA/fibrous GelMA biohybrid cryogels with multifunctional features and enhanced healing for soft gingival tissue regeneration. INT J BIOL MACROMOL. 2024 Aug;:134932 WB ;Human. 39179087
- **[IF=6.6]** Ling Tang. et al. Construction of ROS-Responsive Hyaluronic Acid Modified Paclitaxel and Diosgenin Liposomes

and Study on Synergistic Enhancement of Anti-Ovarian Cancer Efficacy. INT J NANOMED. 2024 六月 04 IHC ;Mouse. 38859958