bs-1313R **[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: 102-213/213.

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).

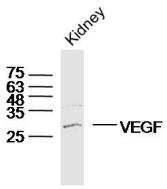
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

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

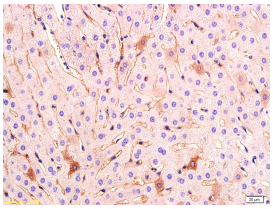
Predicted MW.: 23 kDa

Subcellular Location: Secreted

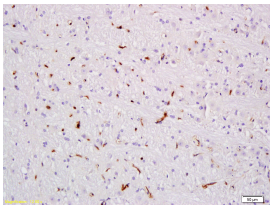
VALIDATION IMAGES



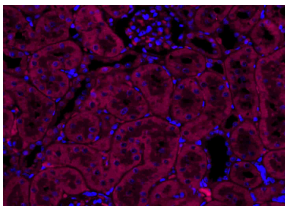
Sample:Kidney(Mouse) Lysate at 30 ug Primary: Anti-VEGF (bs-1313R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 23 kD Observed band size: 27 kD



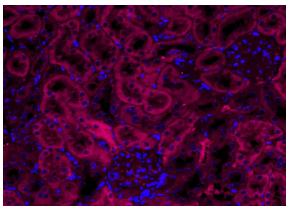
Tissue/cell: rabbit liver tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37∩ for 20 min; Incubation: Anti-VEGF Polyclonal Antibody, Unconjugated(bs-1313R) 1:400, overnight at 4ΣC, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: rat 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∩ for 20 min; Incubation: Anti-VEGF Polyclonal Antibody, Unconjugated(bs-1313R) 1:300, overnight at 4ΣC, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Paraformaldehyde-fixed, paraffin embedded (rat kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (VEGFA) Polyclonal Antibody, Unconjugated (bs-1313R) at 1:200 overnight at



Paraformaldehyde-fixed, paraffin embedded (mouse kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (VEGFA) Polyclonal Antibody, Unconjugated (bs-1313R) at 1:200 overnight at

4°C, followed by a conjugated Goat Anti-Rabbit IgG antibody (bs-0295G-AF594) for 90 minutes, and DAPI for nuclei staining.

4°C, followed by a conjugated Goat Anti-Rabbit IgG antibody (bs-0295G-AF594) for 90 minutes, and DAPI for nuclei staining.

SELECTED CITATIONS

- **[IF=17.521]** Huan Lei. et al. A Combination Therapy Using Electrical Stimulation and Adaptive, Conductive Hydrogels Loaded with Self-Assembled Nanogels Incorporating Short Interfering RNA Promotes the Repair of Diabetic Chronic Wounds. Advanced Science. 2022 Sep;:2201425 IF ;Rat. 36064844
- **[IF=18.027]** Guanghao Wu. et al. Enhanced Proliferation of Visualizable Mesenchymal Stem Cell–Platelet Hybrid Cell for Versatile Intracerebral Hemorrhage Treatment. ACS NANO. 2023;XXXX(XXX):XXX-XXX IF ;Mouse. 37037487
- **[IF=16.744]** Lubin Zhou. et al. A self-pumping dressing with in situ modification of non-woven fabric for promoting diabetic wound healing. CHEM ENG J. 2022 Dec;:141108 IHC ;Rat. 10.1016/j.cej.2022.141108
- **[IF=14.919]** Lu, Gonggong. et al. An instantly fixable and self-adaptive scaffold for skull regeneration by autologous stem cell recruitment and angiogenesis. NAT COMMUN. 2022 May;13(1):1-20 IF ;Rabbit. 35523800
- **[IF=14.3]** Huan Lei. et al. Nanocomposite Hydrogel for Real-Time Wound Status Monitoring and Comprehensive Treatment. ADV SCI. 2024 Sep;:2405924 IF ;Rat. 39269428