

## VEGFA Rabbit pAb

Catalog Number: bs-1313R

Target Protein: VEGFA

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

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

Entrez Gene: 7422

Swiss Prot: P15692

Source: KLH conjugated synthetic peptide derived from human VEGF: 102-213/213.

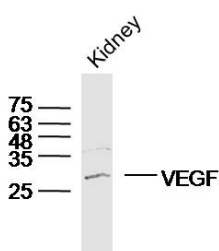
Purification: affinity purified by Protein A

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

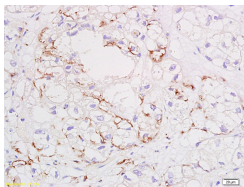
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** 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).

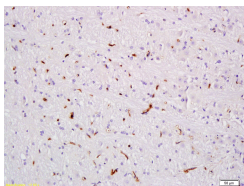
### VALIDATION IMAGES



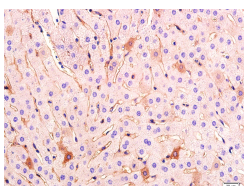
Sample: Kidney(Mouse) Lysate at 30 ug Primary: Anti-VEGF (bs-1313R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 23 kD Observed band size: 27 kD



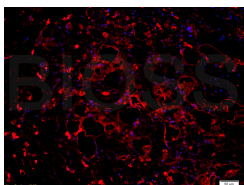
Tissue/cell: human colon carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min; Incubation: Anti-VEGF Polyclonal Antibody, Unconjugated(bs-1313R) 1:200, overnight at 4℃, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



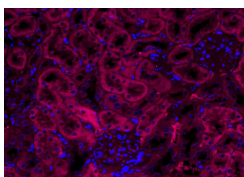
Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min; Incubation: Anti-VEGF Polyclonal Antibody, Unconjugated(bs-1313R) 1:300, overnight at 4℃, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



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 4℃, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: rabbit meniscus tissue;4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min; Incubation: Anti-VEGF Polyclonal Antibody, Unconjugated(bs-1313R) 1:300, overnight at 4℃; The secondary antibody was Goat Anti-Rabbit IgG, PE conjugated(bs-0295G-PE)used at 1:200 dilution for 40 minutes at 37℃. DAPI(5ug/ml,blue,C-0033) was used to stain the cell nuclei



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℃ for 30min; Incubation with (VEGFA) Polyclonal Antibody, Unconjugated (bs-1313R) at 1:200 overnight at 4℃, followed by a conjugated Goat Anti-Rabbit IgG antibody (bs-0295G-AF594) for 90 minutes, and DAPI for nuclei staining.

## PRODUCT SPECIFIC PUBLICATIONS

[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