

## VEGFA Rabbit pAb

Catalog Number: bs-20393R

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, Rat (predicted:Dog)

Predicted MW: 24 kDa

Entrez Gene: 7422

Swiss Prot: P15692

Source: KLH conjugated synthetic peptide derived from human VEGFA: 101-200/232.

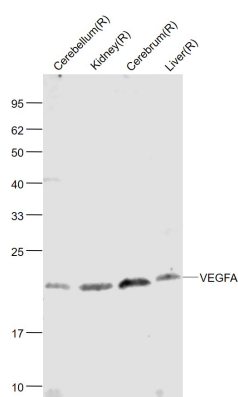
Purification: affinity purified by Protein A

Storage: Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4.

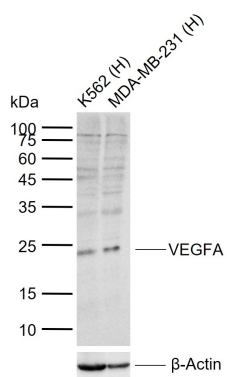
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**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).

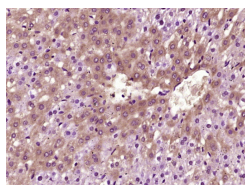
### VALIDATION IMAGES



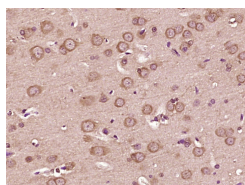
Sample: Cerebellum(Rat) Lysate at 40 ug Kidney(Rat) Lysate at 40 ug Cerebrum(Rat) Lysate at 40 ug Liver(Rat) Lysate at 40 ug Primary: Anti-VEGFA (bs-20393R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 43/23 kD Observed band size: 23 kD



Sample: Lane 1: Human K562 cell lysates Lane 2: Human MDA-MB-231 cell lysates Primary: Anti-VEGFA (bs-20393R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 24 kDa Observed band size: 24 kDa



Paraformaldehyde-fixed, paraffin embedded (rat liver tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (VEGFA) Polyclonal Antibody, Unconjugated (bs-20393R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (VEGFA) Polyclonal Antibody, Unconjugated (bs-20393R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

## PRODUCT SPECIFIC PUBLICATIONS

[IF=11.161] Zhipeng Jiang. et al. EIF4A3-induced circ\_0084615 contributes to the progression of colorectal cancer via miR-599/ONECUT2 pathway. J Exp Clin Canc Res. 2021 Dec;40(1):1-15 WB ; Human . 34253241

[IF=4.4] Wang Changlin. et al. Jiajiejian gel ameliorates thyroid nodules through regulation of thyroid hormones and suppression of the (IL-6, TNF- $\alpha$ , IL-1 $\beta$ )/JAK2/STAT3/VEGF pathway. FRONT PHARMACOL. 2024 Oct;15: WB ; Rat . 39494342

[IF=3.575] Yutian Zhang. et al. ADAMTS8 inhibited lung cancer progression through suppressing VEGFA. Biochem Bioph Res Co. 2022 Apr;598:1 WB ; Human . 35149432

[IF=4.493] Qin Wentao. et al. Systematic Construction and Validation of a Novel Ferroptosis-Related Gene Model for Predicting Prognosis in Cervical Cancer. J IMMUNOL RES. 2022;2022:2148215 IHC ; Human . 35935576

[IF=3.216] Ji-sheng Wang. et al. Study on the Mechanism of Jiawei Shengjiang Powder in Improving Male Asthma-Induced Asthenospermia Based on Network Pharmacology and Bioinformatics. Drug Des Dev Ther. 2021 Mar;15:1245-1259 WB ; Rat . 33776422