bs-20393R **[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 VEGFA: 101-200/232.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

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).

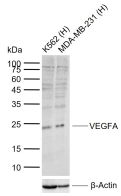
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Human, Rat (predicted: Dog)

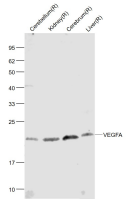
Predicted MW.: 24 kDa

Subcellular Location: Secreted

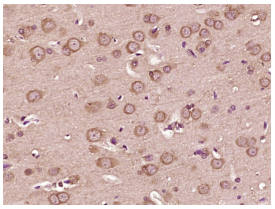
VALIDATION IMAGES



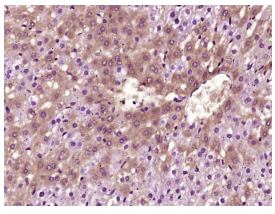
Sample: Lane 1: Human K562 cell lysates Lane 2: Human MDA-MB-231 cell lysates Primary: Anti-VEGFA (bs-20393R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 24 kDa Observed band size: 24 kDa



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



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) instructionsand DAB staining.



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) instructionsand DAB staining.

SELECTED CITATIONS

- **[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=5.4]** Chaode Cen. et al.Construction of a 3D Degradable PLLA/β-TCP/CS Scaffold for Establishing an Induced Membrane Inspired by the Modified Single-Stage Masquelet Technique.ACS BIOMATERIAL SCIENCE & ENGINEERING.2025 Mar 10;11(3):1629-1645. IHC ;Rabbit. 10.1021/acsbiomaterials.4c01849
- **[IF=4.4]** Wang Changlin. et al. Jiajiejian gel ameliorates thyroid nodules through regulation of thyroid hormones and suppression of the (IL-6, TNF-α, IL-1β)/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