

## Angiopoietin-1 Rabbit pAb

Catalog Number: bs-0800R

Target Protein: Angiopoietin-1

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 (predicted:Pig, Cow, Dog)

Predicted MW: 55 kDa

Entrez Gene: 284

Swiss Prot: Q15389

Source: KLH conjugated synthetic peptide derived from human Angiopoietin 1: 276-375/498.

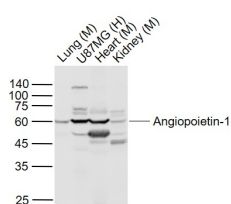
Purification: affinity purified by Protein A

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

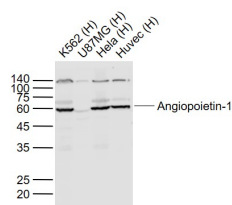
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** Angiopoietins are proteins with important roles in vascular development and angiogenesis. All angiopoietins bind with similar affinity to an endothelial cell-specific tyrosine-protein kinase receptor. The protein encoded by this gene is a secreted glycoprotein that activates the receptor by inducing its tyrosine phosphorylation. It plays a critical role in mediating reciprocal interactions between the endothelium and surrounding matrix and mesenchyme and inhibits endothelial permeability. The protein also contributes to blood vessel maturation and stability, and may be involved in early development of the heart. Alternative splicing results in multiple transcript variants encoding distinct isoforms.[provided by RefSeq, Dec 2010].

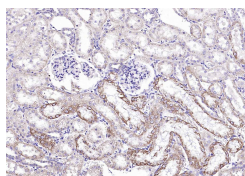
### VALIDATION IMAGES



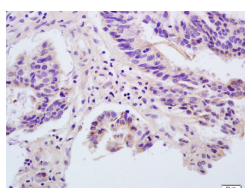
Sample: Lane 1: Lung (Mouse) Lysate at 40 ug Lane 2: U87MG (Human) Cell Lysate at 30 ug Lane 3: Heart (Mouse) Lysate at 40 ug Lane 4: Kidney (Mouse) Lysate at 40 ug Primary: Anti-Angiopoietin-1 (bs-0800R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 60 kD Observed band size: 60 kD



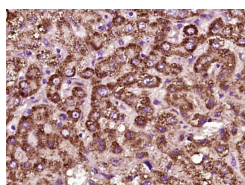
Sample: Lane 1: K562 (Human) Cell Lysate at 30 ug Lane 2: U87MG (Human) Cell Lysate at 30 ug Lane 3: HeLa (Human) Cell Lysate at 30 ug Lane 4: HUVEC (Human) Cell Lysate at 30 ug Primary: Anti-Angiopoietin-1 (bs-0800R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 60 kD Observed band size: 60 kD



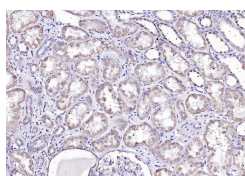
Paraformaldehyde-fixed, paraffin embedded (rat kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Angiopoietin-1) Polyclonal Antibody, Unconjugated (bs-0800R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: human rectal 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°C for 20 min; Incubation: Anti-ANGPTL1/Angiopoietin 1/ANG-1 Polyclonal Antibody, Unconjugated (bs-0800R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody (SP-0023) and DAB (C-0010) staining



Paraformaldehyde-fixed, paraffin embedded (mouse 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 (GRP94) Polyclonal Antibody, Unconjugated (bs-0194R) 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 (human kidney); 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 (Angiopoietin-1) Polyclonal Antibody, Unconjugated (bs-0800R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

## PRODUCT SPECIFIC PUBLICATIONS

[IF=6.706] Amanda Lima Deluque. et al. Paricalcitol Improves the Angiopoietin/Tie-2 and VEGF/VEGFR2 Signaling Pathways in Adriamycin-Induced Nephropathy. NUTRIENTS. 2022 Jan;14(24):5316 WB ; Rat . 36558475

[IF=5.62] He, Ting, et al. "Tumor cell-secreted angiogenin induces angiogenic activity of endothelial cells by suppressing miR-542-3p." Cancer Letters (2015). WB ; ="Human" . 26272182

[IF=6.208] Yongxin Guo. et al. Beneficial Effects of Oleosomes Fused with Human Fibroblast Growth Factor 1 on Wound Healing via the Promotion of Angiogenesis. INT J MOL SCI. 2022 Jan;23(21):13152 WB ; Rat, Human . 36361940

[IF=2.9] Ying Wu. et al. CircRNA\_0003307 promoted brain microvascular endothelial cell angiogenesis, invasion, and migration in cerebral ischemia-reperfusion injury: Potential involvement of miRNA-191-5p/CDK6 pathway: Running title: The function of circRNA\_0003307 in cerebral I/R. NEUROSCIENCE. 2024 Sep; IHC ; Mouse . 39284436

[IF=2.84] Zhao, Qiuchen, et al. "Intranasal administration of Human umbilical cord mesenchymal stem cells-conditioned medium enhances vascular remodeling after stroke." Brain Research (2015). IHC ; ="Rat" . 26279113