

bs-0800R**[Primary Antibody]****Bioss**
ANTIBODIES

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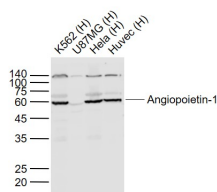
sales@bioss.com.cn

techsupport@bioss.com.cn

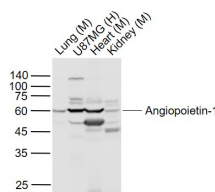
400-901-9800

Angiopoietin-1 Rabbit pAb**— DATASHEET —**

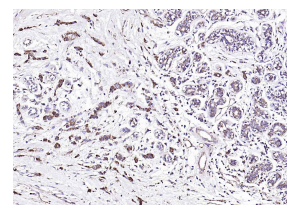
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human, Mouse, Rat (predicted: Rabbit, Pig, Cow, Dog) Predicted MW.: 55 kDa Observed MW.: 60 kDa Subcellular Location: Secreted
Clonality: Polyclonal		
GeneID: 284	SWISS: Q15389	
Target: Angiopoietin-1		
Immunogen: KLH conjugated synthetic peptide derived from human Angiopoietin 1: 276-375/498.		
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: 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 —

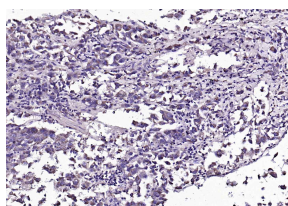
Sample: Lane 1: K562 (Human) Cell Lysate at 30 ug
Lane 2: U87MG (Human) Cell Lysate at 30 ug
Lane 3: HeLa (Human) Cell Lysate at 30 ug
Lane 4: Huvec (Human) Cell Lysate at 30 ug
Primary: Anti-Angiopoietin-1 (bs-0800R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 55 kD
Observed band size: 60 kD



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: 55 kD
Observed band size: 60 kD



Paraformaldehyde-fixed, paraffin embedded (human colon carcinoma); 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.



Paraformaldehyde-fixed, paraffin embedded (human lung carcinoma); Antigen retrieval by

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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.

— SELECTED CITATIONS —

- **[IF=9.6]** Xiaohui Qiu. et al. Interstitial N-Strengthened Copper-Based Bioactive Conductive Dressings Combined with Electromagnetic Fields for Enhanced Wound Healing. ADV HEALTHC MATER. 2025 Jun;;2501303 WB ;Human. 40583382
- **[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=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=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=3.9]** Yao Zhangshun. et al. Investigation of the osteogenic effects of ICA and ICSII on rat bone marrow mesenchymal stem cells. SCI REP-UK. 2025 Jan;15(1):1-11 WB ;Rat. 39856132