— DATASHEET -

Host: Rabbit

Clonality: Polyclonal

Target: Angiopoietin-1

GenelD: 284

[Primary Antibody]

Angiopoietin-1 Rabbit pAb



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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

Subcellular Location:

Purification: affinity purified by Protein A
Concentration: 1mg/ml
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Angiopoietin 1: 276-375/498.

Immunogen: KLH conjugated synthetic peptide derived from human

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

Isotype: IgG

SWISS: Q15389

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 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: 60 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: 60 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) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human lung 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) instructionsand DAB staining.

- SELECTED CITATIONS -

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