

bs-0095R**[Primary Antibody]****BioSS**
ANTIBODIES

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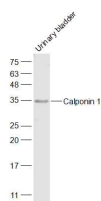
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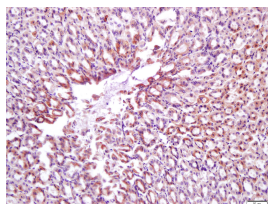
400-901-9800

CNN1 Rabbit pAb**— DATASHEET —**

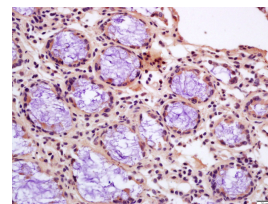
Host: Rabbit Clonality: Polyclonal GeneID: 1264 Target: CNN1 Immunogen: KLH conjugated synthetic peptide derived from human Calponin 1: 201-297/297. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. Background: Predicted to enable actin binding activity. Involved in negative regulation of vascular associated smooth muscle cell proliferation. Located in cytoskeleton. [provided by Alliance of Genome Resources, Nov 2021]	Isotype: IgG SWISS: P51911	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human, Mouse (predicted: Rat, Pig, Sheep, Cow, Chicken, Dog) Predicted MW.: 33 kDa Subcellular Location: Cytoplasm
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— VALIDATION IMAGES —

Sample: Urinary bladder (Mouse) Lysate at 40 ug
Primary: Anti-Calponin 1 (bs-0095R) at 1/500 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 33 kD
Observed band size: 33 kD



Tissue/cell: mouse stomach tissue; 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-Calponin 1 Polyclonal Antibody, Unconjugated(bs-0095R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: human gastric 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-Calponin 1 Polyclonal Antibody, Unconjugated(bs-0095R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

— SELECTED CITATIONS —

- **[IF=10.171]** Wan Zhou. et al. Retinol binding protein 4 promotes the phenotypic transformation of vascular smooth muscle cells under high glucose condition via modulating RhoA/ROCK1 pathway. TRANSL RES. 2023 Mar;; WB ;Rat. 37003483
- **[IF=10]** Paul J. Besseling. et al. Off-the-Shelf Synthetic Biodegradable Grafts Transform In Situ into a Living Arteriovenous Fistula in a Large Animal Model. ADV HEALTHC MATER. 2024 Mar;;2303888 IHC ;Goat. 38451476
- **[IF=8.713]** Zhao-Bo Luo. et al. Fecal transplant from myostatin deletion pigs positively impacts the gut-muscle axis. ELIFE. 2023; 12: e81858 WB ;Mouse. 37039469
- **[IF=8.724]** Yinping Zhao. et al. A novel mechanism of inhibiting in-stent restenosis with arsenic trioxide drug-eluting stent: Enhancing contractile phenotype of vascular smooth muscle cells via YAP pathway. Bioact Mater. 2021 Feb;6:375 IF

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

;Rabbit. 32954055

- **[IF=4.75]** Zhao, Yuechao, et al. "Estrogen-Induced CCN1 is Critical for Establishment of Endometriosis-like Lesions in Mice." *Molecular Endocrinology* (2014). IHC ;="Mouse". 25321413