

CNN1 Rabbit pAb

Catalog Number: bs-0095R

Target Protein: CNN1

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, Sheep, Cow, Chicken, Dog)

Predicted MW: 33 kDa

Entrez Gene: 1264

Swiss Prot: P51911

Source: KLH conjugated synthetic peptide derived from human Calponin 1: 201-297/297.

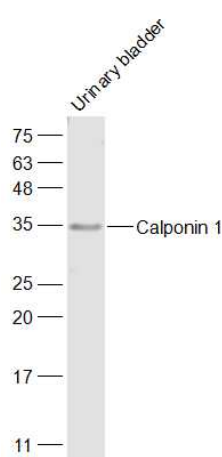
Purification: affinity purified by Protein A

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

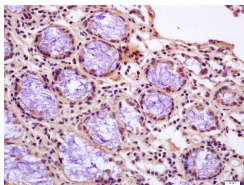
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: 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]

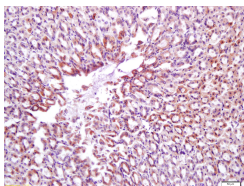
VALIDATION IMAGES



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: 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



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

PRODUCT SPECIFIC PUBLICATIONS

[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 ; 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