

## Vinculin Rabbit pAb

Catalog Number: bs-6640R

Target Protein: Vinculin

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), Flow-Cyt (3ug/Test)

Reactivity: Human, Mouse, Rat (predicted:Rabbit, Pig, Cow, Chicken, Dog, Horse)

Predicted MW: 125 kDa

Entrez Gene: 7414

Swiss Prot: P18206

Source: KLH conjugated synthetic peptide derived from human Vinculin: 1001-1134/1134.

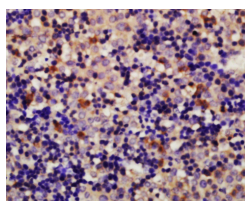
Purification: affinity purified by Protein A

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

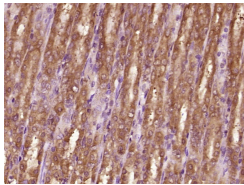
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** Vinculin is a cytoskeletal protein associated with cell-cell and cell-matrix junctions, where it is thought to function as one of several interacting proteins involved in anchoring F-actin to the membrane. Defects in VCL are the cause of cardiomyopathy dilated type 1W. Dilated cardiomyopathy is a disorder characterized by ventricular dilation and impaired systolic function, resulting in congestive heart failure and arrhythmia. Multiple alternatively spliced transcript variants have been found for this gene, but the biological validity of some variants has not been determined. [provided by RefSeq, Jul 2008]

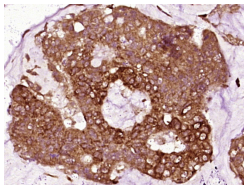
### VALIDATION IMAGES



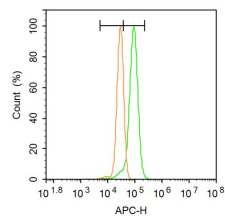
Tissue/cell: mouse embryo tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-Vinculin Polyclonal Antibody, Unconjugated(bs-6640R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Paraformaldehyde-fixed, paraffin embedded (rat stomach 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 (Vinculin) Polyclonal Antibody, Unconjugated (bs-6640R) 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 cervical 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 (Vinculin) Polyclonal Antibody, Unconjugated (bs-6640R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Blank control: A431. Primary Antibody (green line): Rabbit Anti-Vinculin antibody (bs-6640R) Dilution: 1μg /10<sup>6</sup> cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody: Goat anti-rabbit IgG-AF647 Dilution: 1μg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 0.1% PBST for 20 min at room temperature. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

## PRODUCT SPECIFIC PUBLICATIONS

[IF=30.849] Ruoyu Mu. et al. A “Bridge-Building” Glycan Scaffold Mimicking Microbial Invasion for In Situ Endothelialization. 2021 Sep 02 IF ; Human . 34476850

[IF=8.579] Haoxiang Chen. et al. 3D printed in vitro tumor tissue model of colorectal cancer. 2020 Oct 26 IF ; Human . 33204333

[IF=9.417] Haibo Xiang. et al. Cryogenic 3D printing of bifunctional silicate nanoclay incorporated scaffolds for promoted angiogenesis and bone regeneration. MATER DESIGN. 2022 Oct;:111220 IF ; Rat . 10.1016/j.matdes.2022.111220

[IF=6.543] Yang Lili. et al. Elucidating the Novel Mechanism of Ligustrazine in Preventing Postoperative Peritoneal Adhesion Formation. Oxid Med Cell Longev. 2022;2022:9226022 WB,IF ; Rat,Human . 35308169

[IF=5.6] Cao De-Li. et al. Cytochrome P450 26A1 Contributes to the Maintenance of Neuropathic Pain. NEUROSCI BULL. 2023 Aug;:1-17 IHC ; Mouse . 37639183