

## CSRP1 polyclonal antibody

Catalog: BS5677

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

Cysteine-rich proteins (CRPs) participate in the organization of multiprotein complexes, both in the cytoplasm, where they participate in cytoskeletal remodeling, and in the nucleus, where they facilitate smooth muscle differentiation. CRP1 (cysteine and glycine-rich protein 1), also known as CRP, CSRP1 or CYRP, is abundant in the prostate and smooth muscle lineages. It contains two LIM zinc-binding domains and is localized in the nucleus. The LIM domains of CRP1 are critical for binding to the adhesion-plaque protein Zyxin. CRP1 also interacts with  $\alpha$ -actinin to mediate muscle differentiation. These associations indicate that the main function of CRP1 may be structural.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 23 kDa

### Swiss-Prot:

P21291

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

ICC: 1:50~1:200

IP: 1:50~1:200

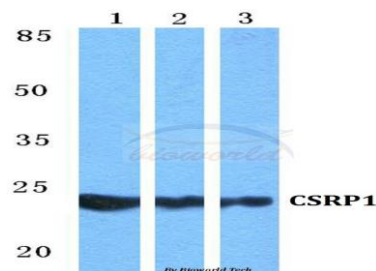
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

CSRP1 polyclonal antibody detects endogenous levels of CSRP1 protein.

### DATA:

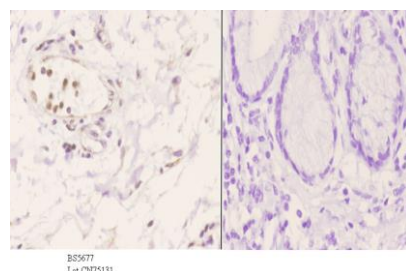


Western blot (WB) analysis of CSRP1 polyclonal antibody at 1:500 dilution

Lane1:HEK293T cell lysate

Lane2:Mouse heart tissue lysate

Lane3:Rat heart tissue lysate



Immunohistochemistry (IHC) analyzes of CSRP1 pAb in paraffin-embedded human esophageal carcinoma tissue at 1:50. showing nucleus staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.

### Note:

For research use only, not for use in diagnostic procedure.

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