

Human/Mouse/Rat CSRP1 Antibody

Antigen Affinity-purified Polyclonal Goat IgG Catalog Number: AF5739

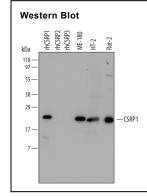
DESCRIPTION			
Species Reactivity	Human/Mouse/Rat		
Specificity	Detects human, mouse, and rat CSRP1 in Western blots.		
Source	Polyclonal Goat IgG		
Purification	Antigen Affinity-purified		
Immunogen	E. coli-derived recombinant human CSRP1 Met1-Glu193 Accession # P21291		
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.		

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	0.5 μg/mL	See Below

DATA



Detection of Human, Mouse, and Rat CSRP1 by Western Blot. Western blot shows lysates of ME-180 human cervical epithelial carcinoma cell line, HT-2 mouse T cell line, and Rat-2 rat embryonic fibroblast cell line. PVDF membrane was probed with 0.5 µg/mL Goat Anti-Human/Mouse/Rat CSRP1 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF5739) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF109). For additional reference, recombinant human CSRP1, CSRP2, CSRP3 (5 ng/lane) were included. A specific band for CSRP1 was detected at approximately 23 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

PREPARATION AND STORAGE

Reconstitution Reconstitute at 0.2 mg/mL in sterile PBS

Shipping The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

Stability & Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUNI

CSRP1 (Cysteine-rich protein 1; also CRP1 and Cysteine and Glycine-rich protein 1) is a 23 kDa cytoplasmic member of the CRP family of LIM domain-containing proteins. It is expressed in both visceral and vascular smooth muscle, and interacts with zyxin and α-actinin, two proteins involved in actin assembly and crosslinking, during muscle cell differentiation. Human CSRP1 is 193 amino acids (aa) in length and contains two 50 aa LIM (for lin11/isl1/mec3) domains that contain two zinc-finger motifs (aa 10-61 and 119-171), an NLS between aa 64-69, and a Gly-rich C-terminus (aa 176-187). There are two likely phosphorylation sites at Tyr127 and Ser192. Full-length human CSRP1 shares 99% aa identity with mouse CSRP1.

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