

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	<i>E. coli</i> -derived recombinant human CSRP1 Met1-Glu193 Accession # P21291
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

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.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

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.

PRODUCT SPECIFIC NOTICES

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