

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CSRP2 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human CSRP2 Met1-Gln193 Accession # Q16527
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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

CSRP2 (Cysteine-rich protein 2/CRP2; also Cysteine and Glycine-rich protein 2, LMO-5 and SmLIM) is a 21-22 kDa member of the CRP family of LIM domain-containing proteins. It is expressed in arterial smooth muscle, hepatic stellate cells and fibroblasts. CSRP2 is up-regulated by TGF-β and down-regulated by PDGF, and appears to interact with PIAS1 and CRP2-BP, thus promoting STAT signaling. It also binds to SRF and GATA4 to initiate smooth muscle differentiation. Human CSRP2 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 119-170), an NLS between aa 64-69, and a Gly-rich C-terminus (aa 176-187). Full-length human CSRP2 shares 79% aa identity with human CSRP1.

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