

DESCRIPTION

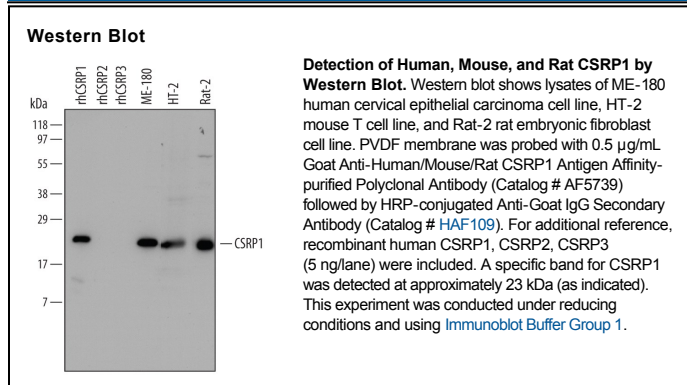
Species Reactivity	Human/Mouse/Rat
Specificity	Detects human, mouse, and rat CSR1 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human CSR1 Met1-Glu193 Accession # P21291
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied 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



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. <ul style="list-style-type: none"> • 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.

BACKGROUND

CSR1 (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 CSR1 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 CSR1 shares 99% aa identity with mouse CSR1.