**BACKGROUND**

CRP2BP (cysteine-rich protein 2-binding protein, CRSP2-binding protein) is a 782 amino acid protein encoded by the human gene CSRP2BP. CRP2BP specifically interacts with the double LIM domain protein CRP2. The LIM domain is a conserved cysteine and histidine-containing structural module of two tandemly arranged zinc fingers. It has been identified in single or multiple copies in a variety of regulatory proteins, either in combination with defined functional domains, like homeodomains, or alone, like in the CRP family of LIM proteins. Members of the cysteine- and glycine-rich protein family (CRP1, CRP2 and CRP3) contain two zinc-binding LIM domains, LIM1 (amino-terminal) and LIM2 (carboxyl-terminal), and are implicated in diverse cellular processes linked to differentiation, growth control and pathogenesis. Although present in cytoplasm, CRP2BP is mainly a ubiquitously expressed nuclear protein, with highest expression in skeletal muscle and heart.

**REFERENCES**


**CHROMOSOMAL LOCATION**

Genetic locus: CSRP2BP (human) mapping to 20p11.23; Crsp2bp (mouse) mapping to 2 G1.

**SOURCE**

CRP2BP (A-11) is a mouse monoclonal antibody specific for an epitope mapping between amino acids 192-215 within an internal region of CRP2BP of human origin.

**PRODUCT**

Each vial contains 200 µg IgG1; kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.2% stabilizer protein.

CRP2BP (A-11) is available conjugated to agarose (sc-398475 AC), 500 µg/0.25 ml agarose in 1 ml, for IP; to HRP (sc-398475 HRP), 200 µg/ml, for WB, IHC/P and ELISA; to either phycoerythrin (sc-398475 PE), fluorescein (sc-398475 FITC), Alexa Fluor® 488 (sc-398475 AF488), Alexa Fluor® 546 (sc-398475 AF546), Alexa Fluor® 594 (sc-398475 AF594) or Alexa Fluor® 647 (sc-398475 AF647), 200 µg/ml, for WB (RGB), IF, IHC/P and FCM; and to either Alexa Fluor® 680 (sc-398475 AF680) or Alexa Fluor® 790 (sc-398475 AF790), 200 µg/ml, for Near-Infrared (NIR) WB, IF and FCM.

Blocking peptide available for competition studies, sc-398475 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% stabilizer protein).

**APPLICATIONS**

CRP2BP (A-11) is recommended for detection of CRP2BP of mouse, rat and human origin by Western Blotting (starting dilution 1:100, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

CRP2BP (A-11) is also recommended for detection of CRP2BP in additional species, including equine, bovine and porcine.

Suitable for use as control antibody for CRP2BP siRNA (h): sc-77030, CRP2BP siRNA (m): sc-142581, CRP2BP shRNA Plasmid (h): sc-77030-SH, CRP2BP shRNA Plasmid (m): sc-142581-SH, CRP2BP shRNA (h) Lentiviral Particles: sc-77030-V and CRP2BP shRNA (m) Lentiviral Particles: sc-142581-V.

Molecular Weight of CRP2BP: 89 kDa.

Positive Controls: CRP2BP (h): 293T Lysate: sc-172463, A2058 whole cell lysate: sc-364178 or Y79 cell lysate: sc-22420.

**DATA**

**SELECT PRODUCT CITATIONS**


**STORAGE**

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

**RESEARCH USE**

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

**PROTOCOLS**

See our web site at www.scbt.com for detailed protocols and support products.