

CRIP2 (C-14): sc-30272

BACKGROUND

Cysteine-rich protein 2 (CRIP2) is a 208 amino acid protein that contains 2 LIM zinc-binding domains that link to short glycine-rich repeats, and a potential nuclear localization signal. CRIP proteins participate in the organization of multiprotein complexes, both in the cytoplasm, where they participate in cytoskeletal remodeling, and in the nucleus, where they facilitate smooth muscle differentiation. CRIP2 tissue expression is widespread, with highest levels in the heart. The human CRIP2 gene maps to chromosome 14q32.33.

REFERENCES

- Okano, I., et al. 1993. Cloning of CRP2, a novel member of the cysteine-rich protein family with two repeats of an unusual LIM/double zinc-finger motif. *FEBS Lett.* 300: 51-55.
- Karim, M.A., et al. 1996. Human ESP1/CRP2, a member of the LIM domain protein family: characterization of the cDNA and assignment of the gene locus to chromosome 14q32.3. *Genomics* 31:167-176.

CHROMOSOMAL LOCATION

Genetic locus: CRIP2 (human) mapping to 14q32.33; Crip2 (mouse) mapping to 12 F1.

SOURCE

CRIP2 (C-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the C-terminus of CRIP2 of human origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-30272 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

CRIP2 (C-14) is recommended for detection of CRIP2 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, 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).

CRIP2 (C-14) is also recommended for detection of CRIP2 in additional species, including equine.

Suitable for use as control antibody for CRIP2 siRNA (h): sc-106947, CRIP2 siRNA (m): sc-142572, CRIP2 shRNA Plasmid (h): sc-106947-SH, CRIP2 shRNA Plasmid (m): sc-142572-SH, CRIP2 shRNA (h) Lentiviral Particles: sc-106947-V and CRIP2 shRNA (m) Lentiviral Particles: sc-142572-V.

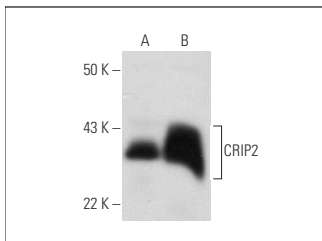
Molecular Weight of CRIP2: 22 kDa.

Positive Controls: CRIP2 (h2): 293T Lysate: sc-172837, mouse heart extract: sc-2254 or human heart extract: sc-363763.

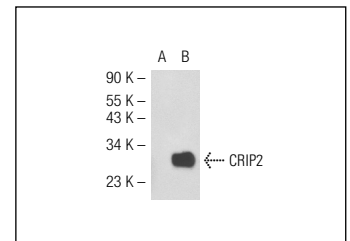
RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

DATA



CRIP2 (C-14): sc-30272. Western blot analysis of CRIP2 expression in mouse heart (A) and human heart (B) tissue extracts.



CRIP2 (C-14): sc-30272. Western blot analysis of CRIP2 expression in non-transfected: sc-117752 (A) and human CRIP2 transfected: sc-172837 (B) 293T whole cell lysates.

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 or our catalog for detailed protocols and support products.



Try **CRIP2 (C-2): sc-271659** or **CRIP2 (H-10): sc-398980**, our highly recommended monoclonal alternatives to CRIP2 (C-14).