

Crk-L (A-14): sc-31694

BACKGROUND

SH2 and SH3 (Src homology) domains were originally identified as critical functional domains within non-receptor proteins with tyrosine kinase activity. One of the first members of the family to be identified, Crk, is a transformation-specific protein that induces elevation of cellular phosphotyrosine levels, but lacks tyrosine kinase activity itself. A second protein, Nck, consists solely of three SH3 domains and one SH2 domain, while GRB2 contains an SH2 domain flanked on both sides by SH3 domains. A member of this protein class, Crk-L, is encoded by a gene located on chromosome 22, band 11, centromeric of the chronic myelogenous leukemia breakpoint region. Crk-L encodes a 303 amino acid protein with one SH2 and two SH3 domains.

REFERENCES

1. Mayer, B., et al. 1988. A novel viral oncogene with structural similarity to phospholipase C. *Nature* 332: 272-275.
2. Lehmann, J.M., et al. 1990. Nck, a melanoma cDNA encoding a cytoplasmic protein consisting of the Src homology units SH2 and SH3. *Nucleic Acids Res.* 18: 1048.

CHROMOSOMAL LOCATION

Genetic locus: CRKL (human) mapping to 22q11.21; Crkl (mouse) mapping to 16 A3.

SOURCE

Crk-L (A-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of Crk-L 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-31694 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

Crk-L (A-14) is recommended for detection of Crk-L of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500), immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); may cross-react with proto-oncogene C-crk P38. Crk-L (A-14) is also recommended for detection of Crk-L in additional species, including equine, canine, bovine, porcine and avian.

Suitable for use as control antibody for Crk-L siRNA (h): sc-35114, Crk-L siRNA (m): sc-35115, Crk-L shRNA Plasmid (h): sc-35114-SH, Crk-L shRNA Plasmid (m): sc-35115-SH, Crk-L shRNA (h) Lentiviral Particles: sc-35114-V and Crk-L shRNA (m) Lentiviral Particles: sc-35115-V.

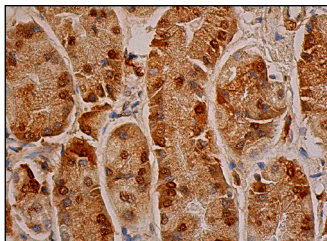
Molecular Weight of Crk-L: 36 kDa.

Positive Controls: A-431 whole cell lysate: sc-2201, NIH/3T3 whole cell lysate: sc-2210 or NIH/3T3 + PDGF cell lysate: sc-3803.

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) 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. 3) Immunohistochemistry: use ImmunoCruz™: sc-2053 or ABC: sc-2023 goat IgG Staining Systems.

DATA



Crk-L (A-14): sc-31694. Immunoperoxidase staining of formalin fixed, paraffin-embedded human upper stomach tissue showing cytoplasmic and nuclear staining of glandular cells.

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.

MONOS
Satisfaction
Guaranteed

Try **Crk-L (B-1): sc-365092** or **Crk-L (A-1): sc-365471**, our highly recommended monoclonal alternatives to Crk-L (A-14).