

RIBC2 (P-18): sc-86825

BACKGROUND

The RIBC2 amino acid protein RIBC2 is encoded by a gene on chromosome 22. Chromosome 22 contains over 500 genes and about 49 million bases. Being the second smallest human chromosome, 22 contains a surprising variety of interesting genes. Phelan-McDermid syndrome, neurofibromatosis type 2 and autism are associated with chromosome 22. A schizophrenia susceptibility locus has been identified on chromosome 22 and studies show that 22q11 deletion symptoms include a high incidence of schizophrenia. Translocations between chromosomes 9 and 22 may lead to the formation of the Philadelphia chromosome and the subsequent production of the novel fusion protein, Bcr-Abl, a potent cell proliferation activator found in several types of leukemia.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: RIBC2 (human) mapping to 22q13.31; Ribc2 (mouse) mapping to 15 E2.

SOURCE

RIBC2 (P-18) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of RIBC2 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-86825 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

RIBC2 (P-18) is recommended for detection of RIBC2 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).

RIBC2 (P-18) is also recommended for detection of RIBC2 in additional species, including canine.

Suitable for use as control antibody for RIBC2 siRNA (h): sc-76398, RIBC2 siRNA (m): sc-152891, RIBC2 shRNA Plasmid (h): sc-76398-SH, RIBC2 shRNA Plasmid (m): sc-152891-SH, RIBC2 shRNA (h) Lentiviral Particles: sc-76398-V and RIBC2 shRNA (m) Lentiviral Particles: sc-152891-V.

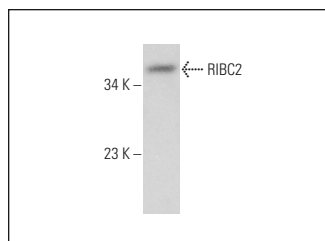
Molecular Weight of RIBC2: 37 kDa.

Positive Controls: WiDR cell lysate: sc-24779.

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



RIBC2 (P-18): sc-86825. Western blot analysis of RIBC2 expression in WiDR whole cell lysate.

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.