SANTA CRUZ BIOTECHNOLOGY, INC.

DSCR9 (C-15): sc-83247

SANTA CRUZ BIOTECHNOLOGY

The Power to Question

BACKGROUND

An extra copy of chromosome 21, the smallest human autosome chromosome, results in Down syndrome. Down syndrome is a genetic disorder characterized by congenital heart abnormalities and mental retardation. The Down syndrome critical region (DSCR) maps specifically to chromosme 21q22.13 and includes several genes which are likely associated with the pathogenesis of Down syndrome. Symptoms of Down syndrome include abnormal neuronal differentiation and elevated apoptosis in the developing brain. DSCR9 (Down syndrome critical region protein 9) is an 149 amino acid protein preferentially expressed in testis. The genes encoding DSCR10 and DSCR9 are not present in mice, suggesting that these genes have emerged during evolution in the primate lineage.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: DSCR9 (human) mapping to 21q22.13.

SOURCE

DSCR9 (C-15) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping at the C-terminus of DSCR9 of human origin.

PRODUCT

Each vial contains 100 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-83247 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

DSCR9 (C-15) is recommended for detection of DSCR9 of 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) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); non cross-reactive with other DSCR family members.

Suitable for use as control antibody for DSCR9 siRNA (h): sc-91520, DSCR9 shRNA Plasmid (h): sc-91520-SH and DSCR9 shRNA (h) Lentiviral Particles: sc-91520-V.

Molecular Weight of DSCR9: 17 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (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 goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

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.