SANTA CRUZ BIOTECHNOLOGY, INC.

CCDC157 (N-17): sc-86579

SANTA CRUZ BIOTECHNOLOGY

The Power to Question

BACKGROUND

CCDC157 (coiled-coil domain-containing protein 157) is a 752 amino acid protein that is encoded by a gene that maps to human chromosome 22q12.2. Chromosome 22 houses over 500 genes and is the second smallest human chromosome. Mutations in several of the genes that map to chromosome 22 are involved in the development of Phelan-McDermid syndrome, neurofibromatosis type 2, autism and schizophrenia. Additionally, 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 leukemias.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: CCDC157 (human) mapping to 22q12.2; Ccdc157 (mouse) mapping to 11 A1.

SOURCE

CCDC157 (N-17) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping near the N-terminus of CCDC157 of human origin.

RESEARCH USE

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

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-86579 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

CCDC157 (N-17) is recommended for detection of CCDC157 of mouse and human origin and LOC681091 of rat 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).

CCDC157 (N-17) is also recommended for detection of CCDC157 in additional species of equine, canine, bovine and porcine.

Suitable for use as control antibody for CCDC157 siRNA (h): sc-75498, CCDC157 siRNA (m): sc-140177, CCDC157 shRNA Plasmid (h): sc-75498-SH, CCDC157 shRNA Plasmid (m): sc-140177-SH, CCDC157 shRNA (h) Lentiviral Particles: sc-75498-V and CCDC157 shRNA (m) Lentiviral Particles: sc-140177-V.

Molecular Weight of CCDC157: 94 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.

PROTOCOLS

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