SANTA CRUZ BIOTECHNOLOGY, INC.

CCDC127 (Q-17): sc-242340

BACKGROUND

CCDC127 (coiled-coil domain containing 127), also known as FLJ25701, is a 260 amino acid protein encoded by a gene mapping to human chromosome 5. With 181 million base pairs encoding around 1,000 genes, chromosome 5 is about 6% of human genomic DNA. It is associated with Cockayne syndrome through the ERCC8 gene and familial adenomatous polyposis through the adenomatous polyposis coli (APC) tumor suppressor gene. Treacher Collins syndrome is also chromosome 5 associated and is caused by insertions or deletions within the TCOF1 gene. Deletion of the p arm of chromosome 5 leads to Cri du chat syndrome. Deletion of 5q or chromosome 5 altogether is common in therapy-related acute myelogenous leukemias and myelodysplastic syndrome.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: CCDC127 (human) mapping to 5p15.33; Ccdc127 (mouse) mapping to 13 C1.

RESEARCH USE

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

SOURCE

CCDC127 (Q-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of CCDC127 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-242340 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

CCDC127 (Q-17) is recommended for detection of CCDC127 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) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); non cross-reactive with other CCDC family members.

CCDC127 (Q-17) is also recommended for detection of CCDC127 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for CCDC127 siRNA (h): sc-91659, CCDC127 siRNA (m): sc-142071, CCDC127 shRNA Plasmid (h): sc-91659-SH, CCDC127 shRNA Plasmid (m): sc-142071-SH, CCDC127 shRNA (h) Lentiviral Particles: sc-91659-V and CCDC127 shRNA (m) Lentiviral Particles: sc-142071-V.

Molecular Weight of CCDC127: 31 kDa.

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.

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.