SANTA CRUZ BIOTECHNOLOGY, INC.

CCDC25 (C-13): sc-87039

SANTA CRUZ BIOTECHNOLOGY

The Power to Question

BACKGROUND

CCDC25 (coiled-coil domain containing 25) is a 208 amino acid protein encoded by a gene that maps to human chromosome 8p21.1. Made up of nearly 146 million bases, chromosome 8 encodes about 800 genes.Translocation of portions of chromosome 8 with amplifications of the c-Myc gene are found in some leukemias and lymphomas, and typically associated with a poor prognosis. Portions of chromosome 8 have been linked to schizophrenia and bipolar disorder. Trisomy 8, also known as Warkany syndrome 2, most often results in early miscarriage but is occasionally seen in a mosaic form in surviving patients who suffer to a varying degree from a number of symptoms including retarded mental and motor development, and certain facial and developmental defects. WRN is a DNA helicase encoded by chromosome 8 and shown defective in those with the early aging disorder Werner syndrome. Chromosome 8 is also associated with Pfeiffer syndrome, congenital hypothyroidism and Waardenburg syndrome.

CHROMOSOMAL LOCATION

Genetic locus: CCDC25 (human) mapping to 8p21.1; Ccdc25 (mouse) mapping to 14 D1.

SOURCE

CCDC25 (C-13) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping near the C-terminus of CCDC25 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-87039 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

CCDC25 (C-13) is recommended for detection of CCDC25 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).

CCDC25 (C-13) is also recommended for detection of CCDC25 in additional species, including equine.

Suitable for use as control antibody for CCDC25 siRNA (h): sc-77705, CCDC25 siRNA (m): sc-142097, CCDC25 shRNA Plasmid (h): sc-77705-SH, CCDC25 shRNA Plasmid (m): sc-142097-SH, CCDC25 shRNA (h) Lentiviral Particles: sc-77705-V and CCDC25 shRNA (m) Lentiviral Particles: sc-142097-V.

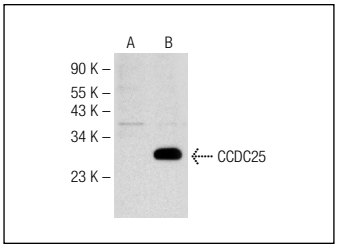
Molecular Weight of CCDC25: 24 kDa.

Positive Controls: CCDC25 (h2): 293T Lysate: sc-117015 or CCDC25 (m): 293T Lysate: sc-119066.

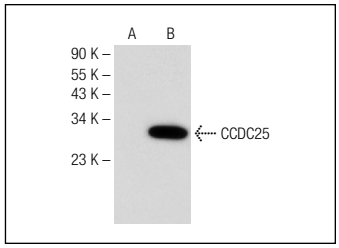
RECOMMENDED SECONDARY REAGENTS

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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) 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.

DATA



CCDC25 (C-13): sc-87039. Western blot analysis of CCDC25 expression in non-transfected: sc-117752 (**A**) and human CCDC25 transfected: sc-117015 (**B**) 293T whole cell lysates.



CCDC25 (C-13): sc-87039. Western blot analysis of CCDC25 expression in non-transfected: sc-117752 (**A**) and mouse CCDC25 transfected: sc-119066 (**B**) 293T whole cell lysates.

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 **CCDC25 (F-7): sc-515201** or **CCDC25 (D-12): sc-515295**, our highly recommended monoclonal alternatives to CCDC25 (C-13).