SANTA CRUZ BIOTECHNOLOGY, INC.

CCDC101 (T-17): sc-242325

SANTA CRUZ BIOTECHNOLOGY

The Power to Question

BACKGROUND

CCDC101 (coiled-coil domain containing 101), also known as SGF29 (SAGA-associated factor 29) or STAF36, is a 293 amino acid nuclear protein that plays a role in transcriptional regulation by functioning as a subunit of 2 histone acetyltransferase complexes, namely, the TFTC (TATA-binding protein-free TAF-containing) and STAGA (SPT3-TAF9-GCN5/PCAF acetylase) complexes. A member of the SGF29 family, CCDC101 is encoded by a gene that maps to human chromosome 16p11.2. Chromosome 16 encodes over 900 genes and comprises nearly 3% of the human genome. The GAN gene is located on chromosome 16 and, with mutation, may lead to giant axonal neuropathy, a nervous system disorder characterized by increasing malfunction with growth. The rare disorder Rubinstein-Taybi syndrome is also associated with chromosome 16, as is Crohn's disease, which is a gastrointestinal inflammatory condition.

CHROMOSOMAL LOCATION

Genetic locus: CCDC101 (human) mapping to 16p11.2; Ccdc101 (mouse) mapping to 7 F3.

SOURCE

CCDC101 (T-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of CCDC101 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-242325 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

APPLICATIONS

CCDC101 (T-17) is recommended for detection of CCDC101 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); non cross-reactive with other CCDC family members.

CCDC101 (T-17) is also recommended for detection of CCDC101 in additional species, including equine, canine, bovine, porcine and avian.

Suitable for use as control antibody for CCDC101 siRNA (h): sc-93367, CCDC101 siRNA (m): sc-142044, CCDC101 shRNA Plasmid (h): sc-93367-SH, CCDC101 shRNA Plasmid (m): sc-142044-SH, CCDC101 shRNA (h) Lentiviral Particles: sc-93367-V and CCDC101 shRNA (m) Lentiviral Particles: sc-142044-V.

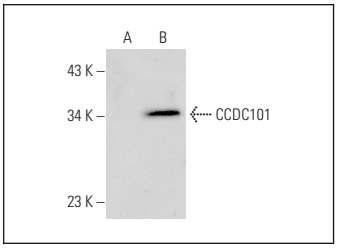
Molecular Weight of CCDC101: 36 kDa.

Positive Controls: CCDC101 (h) 293T Lysate: sc-113036.

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



CCDC101 (T-17): sc-242325. Western blot analysis of CCDC101 expression in non-transfected: sc-117752 (**A**) and human CCDC101 transfected: sc-113036 (**B**) 293T whole cell lysates.

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 **CCDC101 (D-1): sc-515286**, our highly recommended monoclonal alternative to CCDC101 (T-17).