

CCDC101 (h): 293T Lysate: sc-113036

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 two 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.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: CCDC101 (human) mapping to 16p11.2.

PRODUCT

CCDC101 (h): 293T Lysate represents a lysate of human CCDC101 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

PROTOCOLS

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

APPLICATIONS

CCDC101 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive CCDC101 antibodies. Recommended use: 10-20 µl per lane.

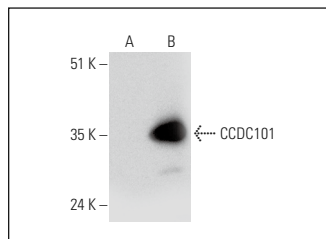
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

CCDC101 (D-1): sc-515286 is recommended as a positive control antibody for Western Blot analysis of enhanced human CCDC101 expression in CCDC101 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended:
1) Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

DATA



CCDC101 (D-1): sc-515286. 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.