

# CCDC101 (N-17): sc-242324

## 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.

## REFERENCES

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## CHROMOSOMAL LOCATION

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

## SOURCE

CCDC101 (N-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of CCDC101 of human origin.

## RESEARCH USE

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

## 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-242324 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

CCDC101 (N-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), 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 (N-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.

## 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](http://www.scbt.com) or our catalog for detailed protocols and support products.


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