

# CCDC65 (H-300): sc-134631

## BACKGROUND

CCDC65 (Coiled-coil domain-containing protein 65), also known as testis development protein NYD-SP28, is a 484 amino acid cytoplasmic protein that is highly expressed in spermatids, spermatocytes and spermatogonia of adult testis. Posttranslationally modified during capacitation, CCDC65 contains many potential phosphorylation sites and two potential sites each for N-glycosylation and N-myristoylation. The gene encoding CCDC65 maps to human chromosome 12, which encodes over 1,100 genes and comprises approximately 4.5% of the human genome. Chromosome 12 is associated with a variety of diseases and afflictions, including hypochondrogenesis, achondrogenesis, Kniest dysplasia, Noonan syndrome and trisomy 12p, which causes facial developmental defects and seizure disorders. There are two isoforms of CCDC65 that are produced as a result of alternative splicing events.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: CCDC65 (human) mapping to 12q13.12; Ccdc65 (mouse) mapping to 15 F1.

## SOURCE

CCDC65 (H-300) is a rabbit polyclonal antibody raised against amino acids 1-300 mapping at the N-terminus of CCDC65 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.

## APPLICATIONS

CCDC65 (H-300) is recommended for detection of CCDC65 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).

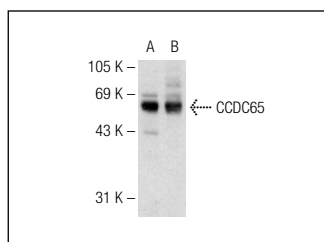
CCDC65 (H-300) is also recommended for detection of CCDC65 in additional species, including canine and bovine.

Suitable for use as control antibody for CCDC65 siRNA (h): sc-96214, CCDC65 siRNA (m): sc-142132, CCDC65 shRNA Plasmid (h): sc-96214-SH, CCDC65 shRNA Plasmid (m): sc-142132-SH, CCDC65 shRNA (h) Lentiviral Particles: sc-96214-V and CCDC65 shRNA (m) Lentiviral Particles: sc-142132-V.

Molecular Weight of CCDC65: 57 kDa.

Positive Controls: mouse liver extract: sc-2256 or mouse testis extract: sc-2405.

## DATA



CCDC65 (H-300): sc-134631. Western blot analysis of CCDC65 expression in mouse liver (A) and mouse testis (B) tissue extracts.

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