

# CCDC105 (N-15): sc-138879

## BACKGROUND

CCDC105 (coiled-coil domain containing 105) is a 499 amino acid protein encoded by a gene that maps to human chromosome 19p13.12. Chromosome 19 includes a diversity of interesting genes and is recognized for having the greatest gene density of the human chromosomes. It is the genetic home for a number of immunoglobulin superfamily members including the killer cell and leukocyte Ig-like receptors, a number of ICAMs, the CEACAM and PSG family, and Fc receptors. Key genes for eye color and hair color also map to chromosome 19. Peutz-Jeghers syndrome, spinocerebellar ataxia type 6, the stroke disorder CADASIL, hypercholesterolemia and Insulin-dependent diabetes have been linked to chromosome 19. Translocations with chromosome 19 and chromosome 14 can be seen in some lymphoproliferative disorders and typically involve the proto-oncogene BCL3.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: CCDC105 (human) mapping to 19p13.12; Ccdc105 (mouse) mapping to 10 C1.

## SOURCE

CCDC105 (N-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of CCDC105 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-138879 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

CCDC105 (N-15) is recommended for detection of CCDC105 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.

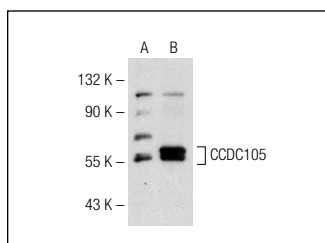
CCDC105 (N-15) is also recommended for detection of CCDC105 in additional species, including equine, bovine and porcine.

Suitable for use as control antibody for CCDC105 siRNA (h): sc-97196, CCDC105 siRNA (m): sc-142048, CCDC105 shRNA Plasmid (h): sc-97196-SH, CCDC105 shRNA Plasmid (m): sc-142048-SH, CCDC105 shRNA (h) Lentiviral Particles: sc-97196-V and CCDC105 shRNA (m) Lentiviral Particles: sc-142048-V.

Molecular Weight of CCDC105: 57 kDa.

Positive Controls: CCDC105 (h): 293T Lysate: sc-115401.

## DATA



CCDC105 (N-15): sc-138879. Western blot analysis of CCDC105 expression in non-transfected: sc-117752 (A) and human CCDC105 transfected: sc-115401 (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.

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) or our catalog for detailed protocols and support products.