

CCDC85B (A-12): sc-167418

BACKGROUND

CCDC85B (coiled-coil domain-containing protein 85B), also known as DIPA (δ -interacting protein A), is a 202 amino acid nuclear and cytoplasmic protein that belongs to the CCDC85 family. As a transcriptional repressor, CCDC85B may inhibit the activity of CTNNB1 in a TP53-dependent manner and thus regulate cell growth. CCDC85B may also play a role in adipocyte differentiation, negatively regulating mitotic clonal expansion. While it is up-regulated by doxorubicin, CCDC85B also interacts with a number of proteins including C/EBP β , C/EBP δ , MSP58, TCF-4 and HDAG (viral phosphoprotein hepatitis δ antigen). The interaction between CCDC85B and HDAG affects viral genomic replication in intact cells. The gene that encodes CCDC85B consists of approximately 1,232 bases and maps to human chromosome 11q13.1.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: CCDC85B (human) mapping to 11q13.1; Ccdc85b (mouse) mapping to 19 A.

SOURCE

CCDC85B (A-12) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of CCDC85B of human origin.

PRODUCT

Each vial contains 200 μ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-167418 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

CCDC85B (A-12) is recommended for detection of CCDC85B of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g 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 CCDC85A.

Suitable for use as control antibody for CCDC85B siRNA (h): sc-96589, CCDC85B siRNA (m): sc-142150, CCDC85B shRNA Plasmid (h): sc-96589-SH, CCDC85B shRNA Plasmid (m): sc-142150-SH, CCDC85B shRNA (h) Lentiviral Particles: sc-96589-V and CCDC85B shRNA (m) Lentiviral Particles: sc-142150-V.

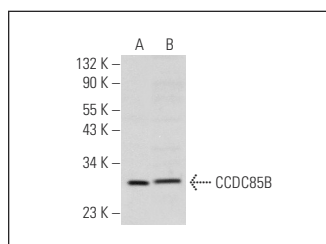
Molecular Weight of CCDC85B: 22 kDa.

Positive Controls: COLO 205 whole cell lysate: sc-364177 or NIH/3T3 whole cell lysate: sc-2210.

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



CCDC85B (A-12): sc-167418. Western blot analysis of CCDC85B expression in COLO 205 (A) and NIH/3T3 (B) 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.

RESEARCH USE

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