

# DENND4C (S-17): sc-246432

## BACKGROUND

DENND4C (DENN/MADD domain containing 4C), also known as DENN domain-containing protein 4C, C9orf55, C9orf55B, FLJ20686, bA513M16.3 or DKFZp686I09113, is a 1,673 amino acid multi-pass membrane protein. DENND4C contains a dDENN domain, DENN domain, uDENN domain and a PPR (pentatricopeptide) repeat. As a result of alternative splicing, six DENND4C isoforms exist. The gene encoding DENND4C maps to human chromosome 9, which houses over 900 genes and comprises nearly 4% of the human genome. Hereditary hemorrhagic telangiectasia, which is characterized by harmful vascular defects, and familial dysautonomia, are both associated with chromosome 9. Notably, chromosome 9 encompasses the largest interferon family gene cluster.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: DENND4C (human) mapping to 9p22.1; Dennd4c (mouse) mapping to 4 C4.

## SOURCE

DENND4C (S-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of DENND4C of human origin.

## 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.

## 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-246432 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

DENND4C (S-17) is recommended for detection of DENND4C 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 DENND4A or DENND4B.

DENND4C (S-17) is also recommended for detection of DENND4C in additional species, including bovine and porcine.

Suitable for use as control antibody for DENND4C siRNA (h): sc-92869, DENND4C siRNA (m): sc-143004, DENND4C shRNA Plasmid (h): sc-92869-SH, DENND4C shRNA Plasmid (m): sc-143004-SH, DENND4C shRNA (h) Lentiviral Particles: sc-92869-V and DENND4C shRNA (m) Lentiviral Particles: sc-143004-V.

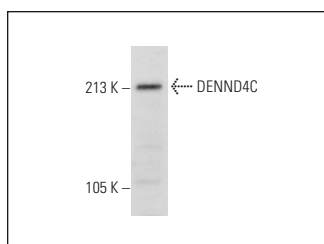
Molecular Weight of DENND4C: 187 kDa.

Positive Controls: HeLa whole cell lysate: sc-2200.

## 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



DENND4C (S-17): sc-246432. Western blot analysis of DENND4C expression in HeLa whole cell lysate.

## RESEARCH USE

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