DENND4C (E-17): sc-246431



The Power to Question

BACKGROUND

DENND4C (DENN/MADD domain containing 4C), also known as DENN domain-containing protein 4C, C9orf55, C9orf55B, FLJ20686, bA513M16.3 or DKFZp686l09113, 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 (E-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 or our catalog for detailed protocols and support products.

PRODUCT

Each vial contains 200 μg lgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-246431 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

DENND4C (E-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), 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 (E-17) is also recommended for detection of DENND4C in additional species, including equine, canine, 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.

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.

RESEARCH USE

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

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