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DENND2D (m): 293T Lysate: sc-119744

BACKGROUND

DENND2D (DENN/MADD domain containing 2D) is a 471 amino acid protein that contains a δ DENN domain, a DENN domain, and a μ DENN domain and exists as 2 isoforms as a result of alternative splicing. The DENND2D protein is thought to target to actin filaments and control Rab9-dependent trafficking of mannose-6-phosphate receptor to lysosomes. The gene encoding DENND2D maps to human chromosome 1, the largest human chromosome which spans about 260 million base pairs and makes up 8% of the human genome. Other notable genes located on chromosome 1 include LMNA, which is associated with the rare aging disease Hutchinson-Gilford progeria, and the MUTYH gene, which is partially responsible for familial adenomatous polyposis. Stickler syndrome, Parkinsons, Gaucher disease and Usher syndrome.

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CHROMOSOMAL LOCATION

Genetic locus: Dennd2d (mouse) mapping to 3 F2.3.

PRODUCT

DENND2D (m): 293T Lysate represents a lysate of mouse DENND2D transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

APPLICATIONS

DENND2D (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive DENND2D antibodies. Recommended use: 10-20 μ l per lane.

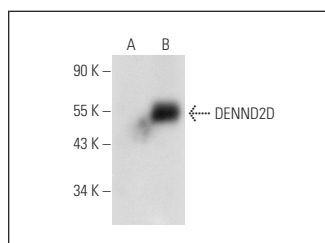
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

DENND2D (H-6): sc-398374 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse DENND2D expression in DENND2D transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended:
1) Western Blotting: use m-IgG κ BP-HRP: sc-516102 or m-IgG κ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

DATA



DENND2D (H-6): sc-398374. Western blot analysis of DENND2D expression in non-transfected: sc-117752 (A) and mouse DENND2D transfected: sc-119744 (B) 293T whole cell lysates.

STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. 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 for detailed protocols and support products.