

RWDD2B (S-19): sc-83748

BACKGROUND

RWDD2B (RWD domain containing protein 2B), also known as C21orf6, is a 319 amino acid protein that is ubiquitously expressed. RWDD2B contains one RWD domain; a conserved region of about 110 amino acid residues. RWD domains are found in many RING finger proteins, DEAD-like helicases and WD repeat containing proteins. It is believed that RWD domains may be involved in protein interaction. The gene that encodes RWDD2B maps to chromosome 21, which makes up about 1.5% of the human genome. Down syndrome, also known as trisomy 21, is the disease most commonly associated with chromosome 21. Alzheimer's disease, Jervell and Lange-Nielsen syndrome and amyotrophic lateral sclerosis are also associated with chromosome 21. Translocations are found to occur between chromosomes 21 and 8, and chromosomes 21 and 12, in certain leukemias.

REFERENCES

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3. Orti, R., et al. 2000. Characterization of a novel gene, C21orf6, mapping to a critical region of chromosome 21q22.1 involved in the monosomy 21 phenotype and of its murine ortholog, orf5. *Genomics* 64: 203-210.
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5. Mao, R., et al. 2005. Primary and secondary transcriptional effects in the developing human Down syndrome brain and heart. *Genome Biol.* 6: R107.
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CHROMOSOMAL LOCATION

Genetic locus: RWDD2B (human) mapping to 21q21.3; Rwd2b (mouse) mapping to 16 C3.3.

SOURCE

RWDD2B (S-19) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping within an internal region of RWDD2B of human origin.

PRODUCT

Each vial contains 100 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-83748 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

RWDD2B (S-19) is recommended for detection of RWDD2B 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).

RWDD2B (S-19) is also recommended for detection of RWDD2B in additional species, including equine, canine and porcine.

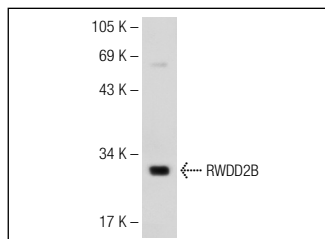
Suitable for use as control antibody for RWDD2B siRNA (m): sc-153182, RWDD2B shRNA Plasmid (m): sc-153182-SH and RWDD2B shRNA (m) Lentiviral Particles: sc-153182-V.

Molecular Weight (predicted) of RWDD2B: 36 kDa.

Molecular Weight (observed) of RWDD2B: 29 kDa.

Positive Controls: NIH/3T3 whole cell lysate: sc-2210.

DATA



RWDD2B (S-19): sc-83748. Western blot analysis of RWDD2B expression in NIH/3T3 whole cell lysate.

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.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.