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SANTA CRUZ BIOTECHNOLOGY, INC.

WDR74 (m): 293T Lysate: sc-124636

BACKGROUND

WD-repeats are motifs that are found in a variety of proteins and are characterized by a conserved core of 40-60 amino acids that commonly form a tertiary propeller structure. While proteins that contain WD-repeats participate in a wide range of cellular functions, they are generally involved in regulatory mechanisms concerning chromatin assembly, cell cycle control, signal transduction, RNA processing, apoptosis and vesicular trafficking. WDR74 (WD repeat domain 74), also known as NOP 7-associated protein 1 (NSA1), is a 385 amino acid protein that localizes to the nucleolus and contains 6 WD repeats. Existing as 2 alternatively spliced isoforms, the gene encoding WDR74 maps to human chromosome 11q12.3, which houses over 1,400 genes and comprises nearly 4% of the human genome. Jervell and Lange-Nielsen syndrome, Jacobsen syndrome and Niemann-Pick disease are associated with defects in genes that maps to chromosome 11.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: Wdr74 (mouse) mapping to 19 A.

PRODUCT

WDR74 (m): 293T Lysate represents a lysate of mouse WDR74 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

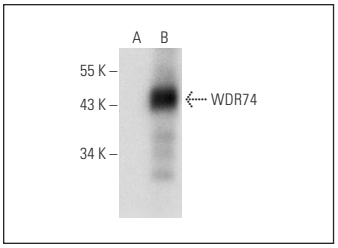
APPLICATIONS

WDR74 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive WDR74 antibodies. Recommended use: 10-20 µl per lane.

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

WDR74 (E-6): sc-393822 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse WDR74 expression in WDR74 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

DATA



WDR74 (E-6): sc-393822. Western blot analysis of WDR74 expression in non-transfected: sc-117752 (**A**) and mouse WDR74 transfected: sc-124636 (**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.