

DDX49 (h2): 293T Lysate: sc-371464

BACKGROUND

DEAD-box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp, are putative RNA helicases implicated in several cellular processes involving modifications of RNA secondary structure and ribosome/spliceosome assembly. Based on their distribution patterns, some members of this family may be involved in embryogenesis, spermatogenesis and cellular growth and division. DDX49 (DEAD-box protein 49) is a 483 amino acid protein that contains one helicase ATP-binding domain and one helicase C-terminal domain. One of several members of the DEAD-box protein family, DDX49 may function as an RNA helicase that is involved in pre-mRNA splicing events.

REFERENCES

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6. Fachin, A.L., Mello, S.S., Sandrin-Garcia, P., Junta, C.M., Donadi, E.A., Passos, G.A. and Sakamoto-Hojo, E.T. 2007. Gene expression profiles in human lymphocytes irradiated *in vitro* with low doses of gamma rays. *Radiat. Res.* 168: 650-665.

CHROMOSOMAL LOCATION

Genetic locus: DDX49 (human) mapping to 19p13.11.

PRODUCT

DDX49 (h2): 293T Lysate represents a lysate of human DDX49 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

DDX49 (h2): 293T Lysate is suitable as a Western Blotting positive control for human reactive DDX49 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.

DDX49 (C-11): sc-514928 is recommended as a positive control antibody for Western Blot analysis of enhanced human DDX49 expression in DDX49 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

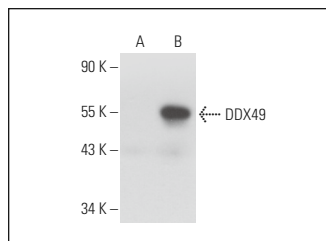
STORAGE

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.

DATA



DDX49 (C-11): sc-514928. Western blot analysis of DDX49 expression in non-transfected: sc-117752 (A) and human DDX49 transfected: sc-371464 (B) 293T whole cell lysates.

PROTOCOLS

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