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DDX46 (m): 293T Lysate: sc-119722

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. DDX46 (DEAD (Asp-Glu-Ala-Asp) box polypeptide 46), also known as PRPF5, is a 1,031 amino acid protein that localizes to nuclear speckles and contains one helicase C-terminal domain and one helicase ATP-binding domain. One of several members of the DEAD-box family, DDX46 functions as an integral component of the 17S U2 snRNP and plays a crucial role in pre-mRNA splicing.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: Ddx46 (mouse) mapping to 13 B1.

PRODUCT

DDX46 (m): 293T Lysate represents a lysate of mouse DDX46 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

DDX46 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive DDX46 antibodies. Recommended use: 10-20 µl per lane.

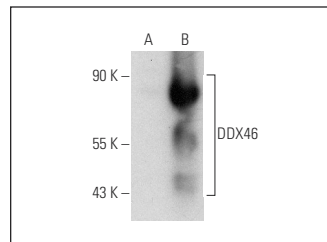
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

DDX46 (B-6): sc-514071 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse DDX46 expression in DDX46 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-IgGκ BP-HRP: sc-516102 or m-IgGκ 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



DDX46 (B-6): sc-514071. Western blot analysis of DDX46 expression in non-transfected: sc-117752 (A) and mouse DDX46 transfected: sc-119722 (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.