SANTA CRUZ BIOTECHNOLOGY, INC.

DDX41 (h): 293 Lysate: sc-113244

BACKGROUND

DDX41 (probable ATP-dependent RNA helicase DDX41, DEAD-box protein abstrakt homolog) is a 622 amino acid protein encoded by the human gene DDX41. DDX41 belongs to the DEAD box helicase family (DDX41 subfamily) and contains one CCHC-type zinc finger, one helicase ATP-binding domain and one helicase C-terminal domain. DDX41 is required during posttranscriptional gene expression and is thought to be involved in pre-mRNA splicing. DDX41 is believed to be a probable ATP-dependent RNA helicase. RNA helicases are highly conserved enzymes that utilize the energy derived from NTP hydrolysis to modulate the structure of RNA. RNA helicases participate in all biological processes that involve RNA, including transcription, splicing and translation.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: DDX41 (human) mapping to 5q35.3.

PRODUCT

DDX41 (h): 293 Lysate represents a lysate of human DDX41 transfected 293 cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

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.

PROTOCOLS

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

APPLICATIONS

DDX41 (h): 293 Lysate is suitable as a Western Blotting positive control for human reactive DDX41 antibodies. Recommended use: 10-20 µl per lane.

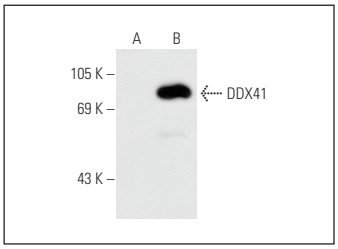
Control 293 Lysate: sc-110760 is available as a Western Blotting negative control lysate derived from non-tranfected 293 cells.

DDX41 (E-8): sc-166255 is recommended as a positive control antibody for Western Blot analysis of enhanced human DDX41 expression in DDX41 transfected 293 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



DDX41 (E-8): sc-166255. Western blot analysis of DDX41 expression in non-transfected: sc-110760 (**A**) and human DDX41 transfected: sc-113244 (**B**) 293T whole cell lysates.

RESEARCH USE

For research use only, not for use in diagnostic procedures.