

DDX25 (h): 293T Lysate: sc-112550

BACKGROUND

DDX25, also designated GRTH for Gonadotropin-regulated testicular RNA helicase, is a testis-specific member of the DEAD-box protein family found in Leydig and germ cells. DDX25 has both ATPase and RNA helicase activity, regulating such translational-associated events as mRNA nuclear export during spermatid development. DDX25 can be phosphorylated on threonine residues, with the phosphorylated form found only in the cytoplasm and not in the nucleus. Essential for spermatogenesis, DDX25 participates in germ cell development and is up regulated by Gonadotropin at the transcriptional level. Genetic variations in DDX25 may contribute to male infertility due to spermatogenic impairment.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: DDX25 (human) mapping to 11q24.2.

PRODUCT

DDX25 (h): 293T Lysate represents a lysate of human DDX25 transfected 293T 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

DDX25 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive DDX25 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.

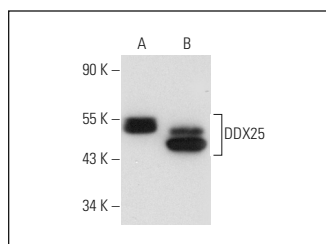
DDX25 (G-4): sc-166289 is recommended as a positive control antibody for Western Blot analysis of enhanced human DDX25 expression in DDX25 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended:

- 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



DDX25 (G-4): sc-166289. Western blot analysis of DDX25 expression in non-transfected: sc-117752 (A) and human DDX25 transfected: sc-112550 (B) 293T whole cell lysates.

RESEARCH USE

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