

DDX55 (D-16): sc-130032

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 spermatogenesis, embryogenesis and cellular growth and division. DDX55 (DEAD box protein 55) is a 600 amino acid protein that contains one helicase C-terminal domain and one helicase ATP-binding domain and is a member of the DEAD-box helicase family. Like other members of the DEAD-box family, DDX55 is thought to function as an ATP-binding RNA helicase that may play a role in RNA-related cellular processes. Multiple isoforms of DDX55 are expressed due to alternative splicing events.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: DDX55 (human) mapping to 12q24.31; Ddx55 (mouse) mapping to 5 F.

SOURCE

DDX55 (D-16) is a purified rabbit polyclonal antibody raised against DDX55 of human origin.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PROTOCOLS

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

PRODUCT

Each vial contains 50 µg IgG in 500 µl PBS with < 0.1% sodium azide, 0.1% gelatin and < 0.02% sucrose.

APPLICATIONS

DDX55 (D-16) is recommended for detection of DDX55 of mouse and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for DDX55 siRNA (h): sc-95985, DDX55 siRNA (m): sc-142946, DDX55 shRNA Plasmid (h): sc-95985-SH, DDX55 shRNA Plasmid (m): sc-142946-SH, DDX55 shRNA (h) Lentiviral Particles: sc-95985-V and DDX55 shRNA (m) Lentiviral Particles: sc-142946-V.

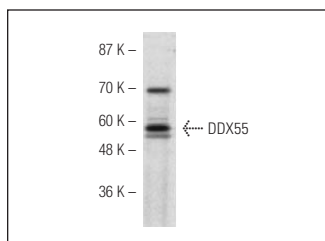
Molecular Weight of DDX55: 68 kDa.

Positive Controls: Hep G2 cell lysate: sc-2227.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml).

DATA



DDX55 (D-16): sc-130032. Western blot analysis of DDX55 expression in Hep G2 whole cell lysate.

RESEARCH USE

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