**BACKGROUND**

Characterized by the conserved motif Asp-Glu-Ala-Asp, DEAD box proteins are putative RNA helicases implicated in several cellular processes involving modifications of RNA secondary structure. Specifically, DEAD box proteins are involved in translation initiation, nuclear and mitochondrial splicing and ribosome and spliceosome assembly. Based on their distribution patterns, members of this family may be involved in embryogenesis, spermatogenesis and cellular growth and division. DDX17 (DEAD box protein 17), also designated p72, is highly homologous to DDX5 (p68). DDX17 and DDX5 have been implicated in growth regulation by acting as transcriptional co-regulators for several transcription factors, including ERα, p53, MyoD and Runx2. Impairment of DDX17 may affect early brain development and can lead to Down syndrome. Alternatively, upregulation of DDX17 may contribute to colon cancer, suggesting that DDX17 may be a useful therapeutic target to combat colon cancer.

**REFERENCES**


**CHROMOSOMAL LOCATION**


**SOURCE**

DDX17 (C-9) is a mouse monoclonal antibody raised against amino acids 485-641 mapping near the C-terminus of DDX17 of human origin.

**PRODUCT**

Each vial contains 200 µg IgG1 kappa light chain in 1.0 ml of PBS with <0.1% sodium azide and 0.1% gelatin.

**APPLICATIONS**

DDX17 (C-9) is recommended for detection of DDX17 of mouse, rat and human origin by Western Blotting (starting dilution 1:100, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence [starting dilution 1:50, dilution range 1:50-1:500], immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for DDX17 siRNA (h): sc-77106, DDX17 siRNA (m): sc-142922, DDX17 shRNA Plasmid (h): sc-77106-6H, DDX17 shRNA Plasmid (m): sc-142922-6H, DDX17 shRNA (h) Lentiviral Particles: sc-77106-V and DDX17 shRNA (m) Lentiviral Particles: sc-142922-V.

Molecular Weight of DDX17 isoforms: 72/82 kDa.

Positive Controls: C6 whole cell lysate: sc-364373, MCF7 whole cell lysate: sc-2206 or K-562 whole cell lysate: sc-2203.

**RECOMMENDED SUPPORT REAGENTS**

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


**DATA**

DDX17 (C-9) sc-271112 Western blot analysis of DDX17 expression in C6 (A), MCF7 (B), K-562 (C), A-431 (D), HEK293T (E) and HeLa (F) whole cell lysates.

DDX17 (C-9) sc-371112 Immunofluorescence staining of methanol-fixed HeLa cells showing nuclear localization (A), Immunoperoxidase staining of formalin-fixed, paraffin-embedded human rectum tissue showing nuclear staining of glandular cells (B).

**SELECT PRODUCT CITATIONS**


**STORAGE**

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

**RESEARCH USE**

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

**PROTOCOLS**

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