

Product Specification Sheet

Cat. #MA-20408

Mouse Monoclonal Anti Human Dead box protein (DDX4); Ascites

SIZE : 100 ul

DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases. They are implicated in a number of cellular processes involving alteration of RNA secondary structure such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. Based on their distribution patterns, some members of this family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division.

Source of Antigen and Antibodies

Antigen	Purified recombinant fragment of human DDX4 expressed in <i>E. Coli</i> .
Ab Host/type	Balb/c mouse. IgG1 Ascetic fluid containing 0.05% sodium azide.
2-Ab	Goat Anti-mouse IgG-HRP conjugate Cat # 40320 (AP, biotin, FITC conjugates also available)
-ve control IgG	Cat # 20008-1, Mouse (non-immune) Serum IgG, purified, suitable for ELISA, Western, IHC as -ve control

Isotype controls:

Catalog#	Product Description
20102-101	Mouse IgG1 isotype control, purified
20102-101-APC	Mouse IgG1-APC conjugate (isotype)
20102-101-B	Mouse IgG1-Biotin conjugate (isotype)
20102-101-F	Mouse IgG1-FITC conjugate (isotype)
20102-101-FP	Mouse IgG1-FITC-PE conjugate (isotype)
20102-101-HP	Mouse IgG1-HRP conjugate (isotype)
20102-101-PC5	Mouse IgG1-PE-Cy5 conjugate (isotype)
20102-101-PE	Mouse IgG1-PE conjugate (isotype control)

Suggested Dilutions:

Western blot	1:500 – 1:2000
Immunohistochemistry (IHC):	1/200 - 1/1000
Immunocytochemistry (ICC):	1/200 - 1/1000
Flow cytometry (FCM):	1/200 - 1/400
ELISA	1:5000 – 1:100000

Form: Antibodies are supplied in PBS, pH 7.5, 0.05% azide and 0.1% BSA in liquid (0.5-1 mg/ml) or lyophilized in the same buffer. Reconstitute powder in 100 ul water or PBS. Store at -20°C or below in suitable size Aliquots.

Shipping: 4°C for solutions and room temp for powder.

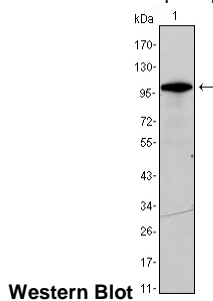


Figure 1: Western blot analysis using DDX4 mouse mAb against DDX4-hlgGfc transfected HEK293 cell lysate.

Immunofluorescence analysis

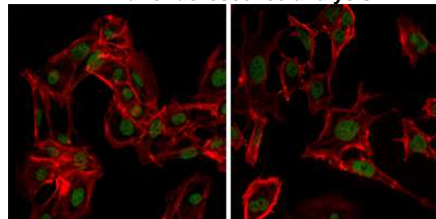


Figure 3: Immunofluorescence analysis of MSCs(left) and NTERA-2 (right) cells using DDX4 mouse mAb (green). Red: Actin filaments have been labeled with DY-554 phalloidin.

Flow cytometric

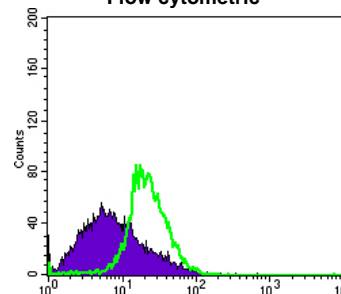


Figure 4: Flow cytometric analysis of MSCS cells using DDX4 mouse mAb (green) and negative control (purple).

Immunohistochemical analysis

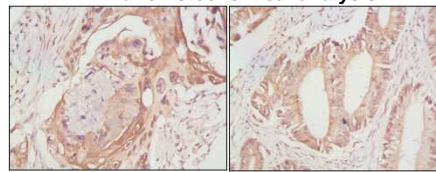


Figure 2: Immunohistochemical analysis of paraffin-embedded human lung cancer (A) and rectal cancer (B), showing cytoplasmic localization using DDX4 mouse mAb with DAB staining.

References:

Proc Natl Acad Sci USA.2000 97(17):9585-90. Lab Invest.2002 82(2):159-66. Mol Reprod Dev.2004 67(1):1-7
*All products are for *In vitro* research use only.

Related material available from ADI

MA-20408

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