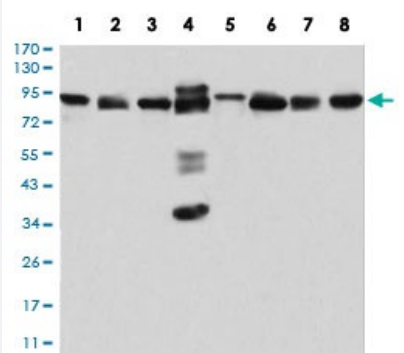
DDX1 monoclonal antibody, clone 3E5E2

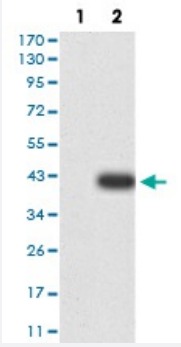
Catalog # MAB17238 Size 100 ug

Applications



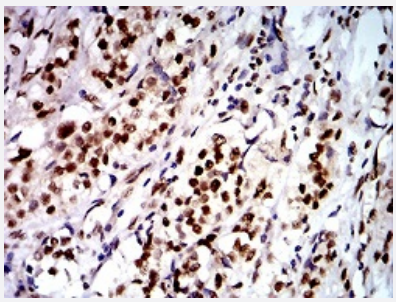
Western Blot (Cell lysate)

Western blot analysis of Lane 1: HeLa cell; Lane 2: MCF-7 cell; Lane 3: A431 cell; Lane 4: PC-3 cell; Lane 5: NIH/3T3 cell; Lane 6: Jurkat cell; Lane 7: U251 cell; Lane 8: HEK293 cell with DDX1 monoclonal antibody.



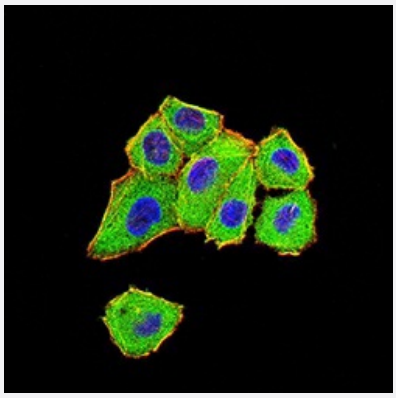
Western Blot (Transfected lysate)

Western Blot analysis of (1) HEK293 cells, (2) DDX1-hIgGFc transfected HEK293 cell lysate.



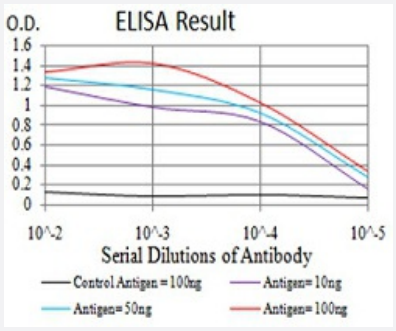
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of paraffin-embedded bladder cancer tissues with DDX1 monoclonal antibody.



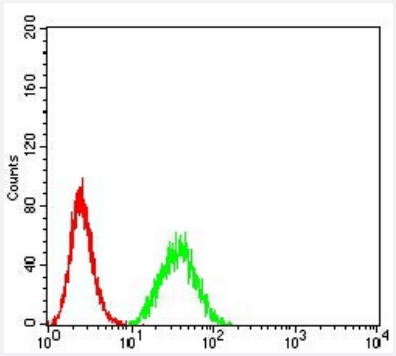
Immunocytochemistry

Immunocytochemical staining of HeLa cells with DDX1 monoclonal antibody (green). DRAQ5 fluorescent DNA dye (blue). Actin filaments have been labeled with Alexa Fluor- 555 phalloidin (red).



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of DDX1 monoclonal antibody, clone 3E5E2.



Flow Cytometry

Flow cytometric analysis of HeLa cells with DDX1 monoclonal antibody (green) and negative control (red).

Specification

Product Description	Mouse monoclonal antibody raised against recombinant human DDX1.
Immunogen	Recombinant protein corresponding to amino acid 642-740 of human DDX1 from *E. coli*.
Host	Mouse
Theoretical MW (kDa)	82.4kDa
Reactivity	Human, Mouse
Form	Liquid
Isotype	IgG1

Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry (1:200-1:1000) Immunocytochemistry (1:200-1:1000) Flow Cytometry (1:200-1:400) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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- Flow Cytometry

  Flow cytometric analysis of HeLa cells with DDX1 monoclonal antibody (green) and negative control (red).

Gene Info — DDX1

Entrez GeneID	1653
Gene Name	DDX1

Gene Alias	DBP-RB, UKVH5d
Gene Description	DEAD (Asp-Glu-Ala-Asp) box polypeptide 1
Omim ID	601257
Gene Ontology	Hyperlink
Gene Summary	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 ribosom e and spliceosome assembly. Based on their distribution patterns, some members of this family a re believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. This gene encodes a DEAD box protein of unknown function. It shows high transcription levels in 2 retinoblastoma cell lines and in tissues of neuroectodermal origin. [provided by RefSeq
Other Designations	DEAD box polypeptide 1|DEAD box-1|DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 1|OTTHU MP00000115711

Disease

- Celiac Disease
- Genetic Predisposition to Disease