

## DDX4 Monoclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-MCA0440
<b>Host</b>	Mouse
<b>Isotype</b>	IgG
<b>Size</b>	50ul, 100ul
<b>Immunogen</b>	Purified recombinant fragment of human DDX4 expressed in E. Coli
<b>Mol wt</b>	N/A
<b>Species reactivity</b>	Human
<b>Clonality</b>	Monoclonal
<b>Recommended application</b>	WB, IHC-p, IF, ICC, FCM, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Probable ATP-dependent RNA helicase DDX4
<b>Synonyms</b>	DDX4; VASA; Probable ATP-dependent RNA helicase DDX4; DEAD box protein 4; Vasa homolog

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

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. This gene encodes a DEAD box protein, which is a homolog of VASA proteins in Drosophila and several other species. The gene is specifically expressed in the germ cell lineage in both sexes and functions in germ cell development. Multiple transcript variants encoding different isoforms have been found for this gene.

### Recommended Dilution

FC: 1:200 - 1:400

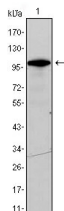
IF: 1:200 - 1:1000

IHC: 1:200 - 1:1000

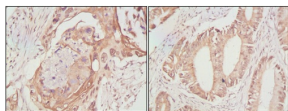
WB: 1:500 - 1:2000

Not yet tested in other applications.

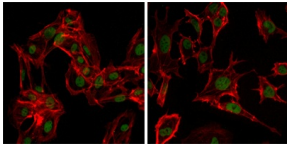
### Images



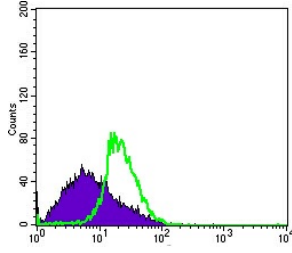
Western Blot analysis using DDX4 Monoclonal antibody against DDX4-hIgGFc transfected HEK293 cell lysate.



Immunohistochemistry analysis of paraffin-embedded human lung cancer (A) and rectal cancer (B), showing cytoplasmic localization with DAB staining using DDX4 Monoclonal antibody.



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



Flow cytometric analysis of MSCS cells using DDX4 Monoclonal antibody (green) and negative control (purple).

### Storage

-20°C for one year

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