

Product Name: DDX4 Mouse Monoclonal Antibody**Catalog #: AMM80785**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	IHC,ICC,ELISA,FC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	IHC 1:200-1:1000,ICC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	76kDa

Antigen Information

Gene Name	DDX4
Alternative Names	VASA;MGC111074;DDX4
Gene ID	54514.0
SwissProt ID	Q9NQI0
Immunogen	Purified recombinant fragment of human DDX4 expressed in E. Coli.

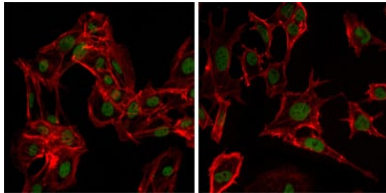
Background

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

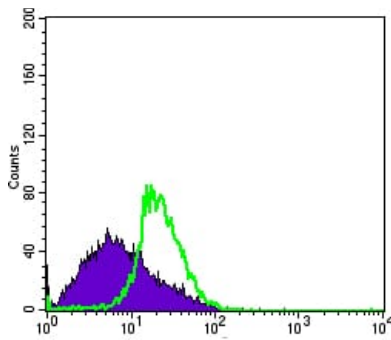
members of this family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division.

Research Area

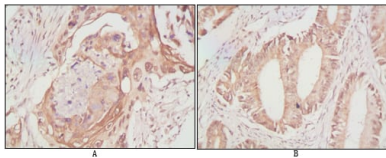
Image Data



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 analysis of MSCS cells using DDX4 mouse mAb (green) and negative control (purple).



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