Product Name: **DDX3X Mouse Monoclonal Antibody**
Catalog #: **AMM81618**
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ICC,ELISA,FC
Reactivity	Human,Mouse,Rat,Monkey,Rabbit
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2a
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	WB 1:500-1:2000,IHC 1:100-1:500,ICC 1:50-1:500,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	73.2kDa

Antigen Information

Gene Name	DDX3X
Alternative Names	DBX; DDX3; HLP2; DDX14; CAP-Rf
Gene ID	1654.0
SwissProt ID	O00571
Immunogen	Purified recombinant fragment of human DDX3X (AA: 518-661) expressed in E. Coli.

Background

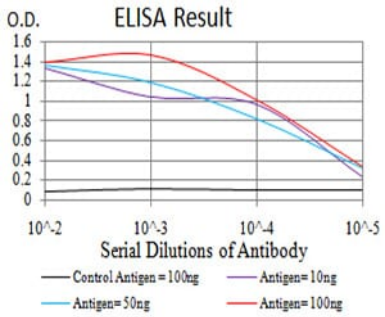
The protein encoded by this gene is a member of the large DEAD-box protein family, that is defined by the presence of the conserved Asp-Glu-Ala-Asp (DEAD) motif, and has ATP-dependent RNA helicase activity. This protein has been reported to display a high level of RNA-independent ATPase activity, and unlike most DEAD-box helicases, the ATPase activity is thought to

be stimulated by both RNA and DNA. This protein has multiple conserved domains and is thought to play roles in both the nucleus and cytoplasm. Nuclear roles include transcriptional regulation, mRNP assembly, pre-mRNA splicing, and mRNA export. In the cytoplasm, this protein is thought to be involved in translation, cellular signaling, and viral replication. Misregulation of this gene has been implicated in tumorigenesis. This gene has a paralog located in the nonrecombining region of the Y chromosome. Pseudogenes sharing similarity to both this gene and the DDX3Y paralog are found on chromosome 4 and the X chromosome. Alternative splicing results in multiple transcript variants.

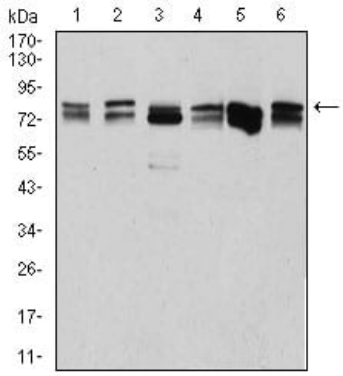
Research Area

Apoptosis

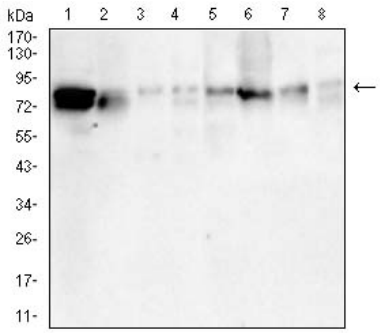
Image Data



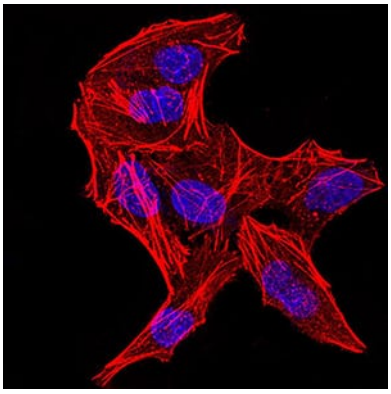
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



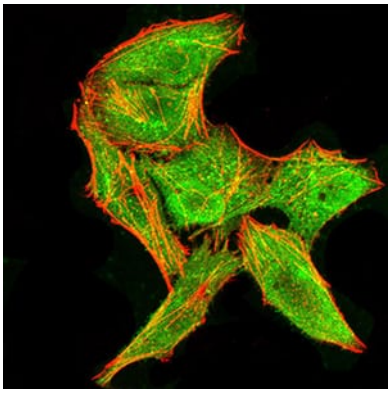
Western blot analysis using DDX3X mouse mAb against Hela (1), NIH3T3 (2), C6 (3), COS7 (4), A431 (5), and HEK293 (6) cell lysate.



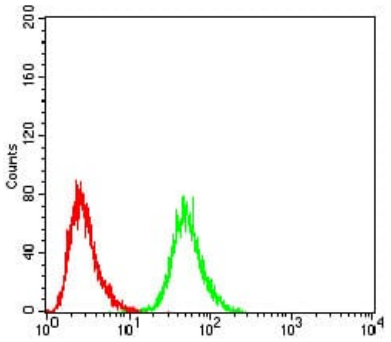
Western blot analysis using DDX3X mouse mAb against PC-12(1) Raw264.7(2)NIH/3T3 (3) NRK(4)C6(5)F9(6)COS-7(&)CHO3D10(8) cell lysate.



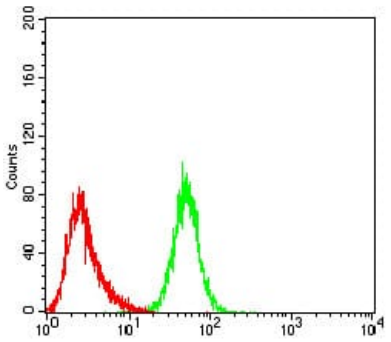
Immunofluorescence analysis of Hela cells using DDX3X mouse mAb. Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.



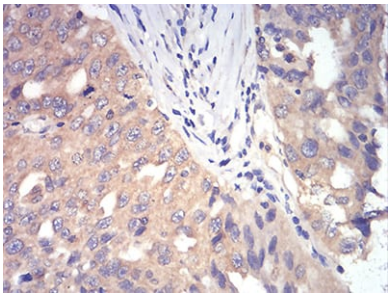
Immunofluorescence analysis of Hela cells using DDX3X mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.



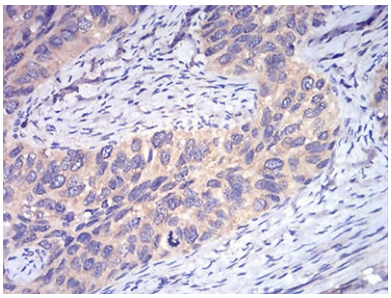
Flow cytometric analysis of Hela cells using DDX3X mouse mAb (green) and negative control (red).



Flow cytometric analysis of HepG2 cells using DDX3X mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human ovarian cancer tissues using DDX3X mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissues using DDX3X mouse mAb with DAB staining.