

A5637

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## DDX3X Rabbit pAb

Catalog No.: A5637

4 Publications

### Basic Information

#### Observed MW

75kDa

#### Calculated MW

73kDa

#### Category

Polyclonal Antibody

#### Applications

WB, IHC-P, IF/ICC, IP, ELISA

#### Cross-Reactivity

Human, Mouse, Rat

### 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.

### Recommended Dilutions

WB	1:500 - 1:1000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200
IP	0.5µg-4µg antibody for 300µg-600µg extracts of whole cells

### Immunogen Information

#### Gene ID

1654

#### Swiss Prot

O00571

#### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human DDX3X (NP\_001347.3).

#### Synonyms

DBX; DDX3; HLP2; DDX14; CAP-Rf; MRX102; MRXSSB; DDX3X

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

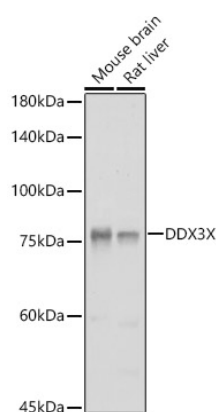
Affinity purification

#### Storage

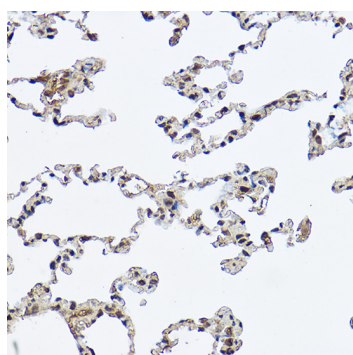
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

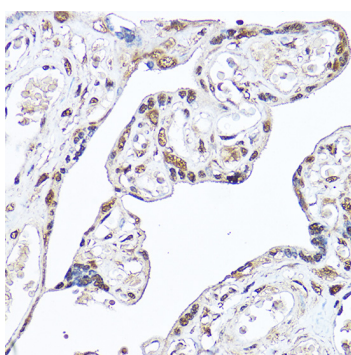
## Validation Data



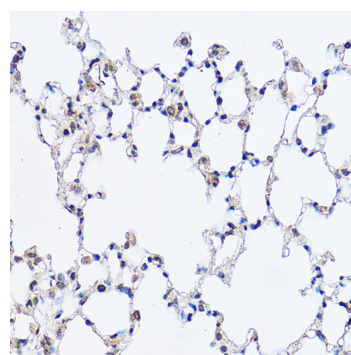
Western blot analysis of various lysates using DDX3X Rabbit pAb (A5637) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 1s.



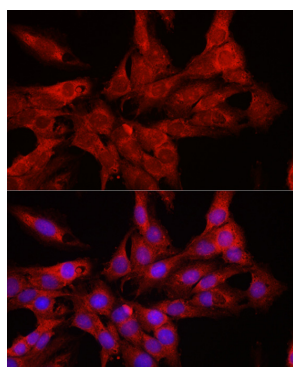
Immunohistochemistry analysis of DDX3X in paraffin-embedded rat lung using DDX3X Rabbit pAb (A5637) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



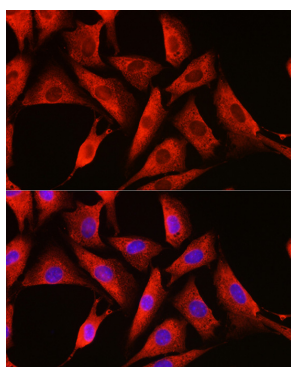
Immunohistochemistry analysis of DDX3X in paraffin-embedded human placenta using DDX3X Rabbit pAb (A5637) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



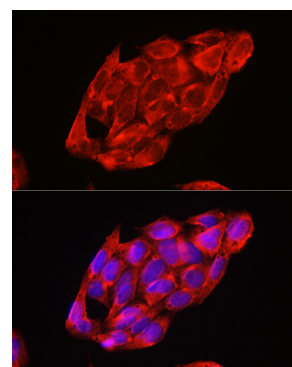
Immunohistochemistry analysis of DDX3X in paraffin-embedded mouse lung using DDX3X Rabbit pAb (A5637) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunofluorescence analysis of C6 cells using DDX3X Rabbit pAb (A5637) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

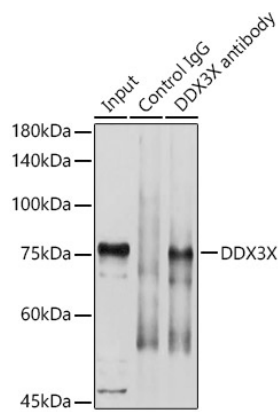


Immunofluorescence analysis of NIH/3T3 cells using DDX3X Rabbit pAb (A5637) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U2OS cells using DDX3X Rabbit pAb (A5637) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

Validation Data



Immunoprecipitation analysis of 600  $\mu$ g extracts of Mouse brain using 3  $\mu$ g DDX3X antibody (A5637). Western blot was performed from the immunoprecipitate using DDX3X antibody (A5637) at a dilution of 1:1000.

Immunoprecipitation analysis of 300  $\mu$ g extracts of C6 cells using 3  $\mu$ g DDX3X antibody (A5637). Western blot was performed from the immunoprecipitate using DDX3X antibody (A5637) at a dilution of 1:3000.

