

## Datasheet: VMA00543

<b>Description:</b>	MOUSE ANTI DDX3X
<b>Specificity:</b>	DDX3X
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	AB04/4C5
<b>Isotype:</b>	IgG2b
<b>Quantity:</b>	100 µl

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Immunoprecipitation	▪			
Western Blotting	▪			1/1000

**The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range.** Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

### Target Species

Human

### Species Cross Reactivity

Reacts with: Mouse, Rat

**N.B.** Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

### Product Form

Purified IgG - liquid

### Preparation

Mouse monoclonal antibody purified by affinity chromatography on Protein G from tissue culture supernatant.

### Buffer Solution

Phosphate buffered saline.

### Preservative

0.09% Sodium Azide (NaN<sub>3</sub>).

**Stabilisers**

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**Approx. Protein Concentrations** IgG concentration 1.0 mg/ml.

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**Immunogen** *E. coli*-derived recombinant human DDX3X (amino acids 1 - 200)

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**External Database Links**

**UniProt:**

[O00571](#)    [Related reagents](#)

**Entrez Gene:**

[1654](#) DDX3X    [Related reagents](#)

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**Synonyms** DBX, DDX3

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**Specificity**

**Mouse anti Human DDX3X antibody** recognizes the ATP-dependent RNA helicase DDX3X, also known as DEAD (Asp-Glu-Ala-Asp) box polypeptide 3, X-linked, DEAD box protein 3, DEAD/H box-3 or helicase-like protein 2.

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. DDX3X gene encodes a DEAD box protein, which interacts specifically with hepatitis C virus core protein resulting a change in intracellular location. DDX3X has a homolog located in the nonrecombining region of the Y chromosome. The protein sequence is 91% identical between DDX3X and the Y-linked homolog. Alternative splicing results in multiple transcript variants (provided by RefSeq, Jul 2010).

Mouse anti Human DDX3X antibody detects a band of 75 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

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**Western Blotting** Anti DDX3X detects a band of approximately 75 kDa in HeLa cell lysates.

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**Storage** Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

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**Guarantee** 12 months from date of despatch.

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**Acknowledgements** PrecisionAb is a trademark of Bio-Rad Laboratories.

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**Health And Safety Information** Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/VMA00543>  
Antibody (10040)

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**Regulatory** For research purposes only.

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

### Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL \(MCA691\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

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