

## Anti-DHX36 Antibody

Catalog Number: A04923

### Introduction

CD3epsilon is a 20kD chain, which together with CD3lambda, CD3delta, and CD3zeta, and a T cell receptor (alpha/beta or gamma/delta) form the CD3/T-cell receptor complex. It is a specific marker for T lymphocytes, NK T cells, and some thymocytes. Crosslinking of TCR initiates an intracellular signaling cascade resulting in cellular activation and proliferation. The OKT3 antibody has been reported to have potent immunosuppressive properties in vivo and has been proved effective in the treatment of renal, heart, and liver allograft rejection.

This antibody is routinely tested by flow cytometric analysis. Flow cytometry and other applications were tested during antibody development or are reported in the literature.

### Application Information

Each lot of this antibody has been quality control tested by flow cytometric analysis of human PBMCs. For flow cytometric staining, the recommended use of this antibody is  $\leq 0.5\mu\text{g}$  per  $1 \times 10^6$  cells in  $100\mu\text{l}$  of staining volume followed by a secondary fluorescent conjugated anti-mouse antibody. However, it is strongly suggested that the antibody reactivity be empirically titrated for optimal performance in the application of interest.

### About DHX36

DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp, are putative RNA helicases implicated in several cellular processes involving modifications of RNA secondary structure. DHX36 (DEAH box protein 36), also known as MLE-like protein 1 and RNA helicase associated with AU-rich element ARE (RHAU), belongs to RNA helicase of the DEAH family and may function in sex development and spermatogenesis. It is expressed in testis and is evolutionary conserved with true orthologs in almost all animal species. DHX36 plays a role in degradation and deadenylation of mRNAs containing in their 3'-UTR the consensus ARE sequence element. DHX36 is required for early embryogenesis.

### Overview

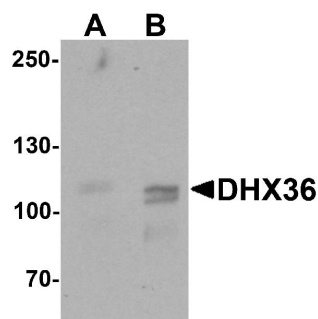
Product Name	Anti-DHX36 Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-DHX36 Antibody (Catalog # A04923). Tested in ELISA, WB, IHC-P applications. This antibody reacts with Human, Mouse.
Conjugate	Biotin
Application	ELISA, IHC-P, WB
Clonality	Polyclonal SK7
Formulation	DHX36 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	DHX36 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.
Host	Rabbit

Uniprot ID	Q9H2U1
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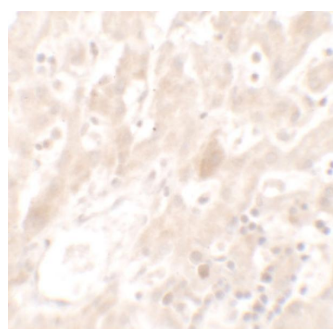
## Technical Details

Immunogen	Rabbit polyclonal DHX36 antibody was raised against a 19 amino acid peptide near the carboxy terminus of human DHX36. The immunogen is located within the last 50 amino acids of DHX36.
Predicted Reactive Species	Guinea Pig, Rabbit, Rat
Cross Reactivity	At least four isoforms of DDX36 are known to exist; this antibody will detect the three longest isoforms.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	DHX36 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>DHX36 antibody can be used for detection of DHX36 by Western blot at 0.5 - 1 ug/mL.</p> <p>Antibody validated: Western Blot in mouse samples and Immunohistochemistry in human samples.</p> <p>All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.</p>

## Anti-DHX36 Antibody (A04923) Images



Western blot analysis of DHX36 in mouse liver tissue lysate with DHX36 antibody at (A) 0.5 and (B) 1 ug/mL.



Immunohistochemistry of DHX36 in human liver tissue with DHX36 antibody at 5 ug/mL.

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