BOSTER BIOLOGICAL TECHNOLOGY
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Anti-DDX3 DDX3X Antibody

Catalog Number: A00751-2

About DDX3X

DDX3 contains all of the motifs of the DEAD-box family of RNA helicases, including the Asp-Glu-Ala-Asp sequence that gives the protein family its name and distinguishes it from other RNA helicases. DDX3 is localized to the X chromosome and has a highly conserved functional homolog (DBY) on the Y chromosome. DDX3 is thought to be involved in RNA splicing, RNA transport, and translation initiation. It has also been shown to be involved in cell growth control and is deregulated in hepatitis virus-associated hepatocellular carcinoma. Recent experiments suppressing DDX3 expression blocked HIV-1 RNA export from the nucleus, suggesting that DDX3 functions as a shuttling protein that transports the HIV-1 protein Rev and its cofactor CRM1 from the nucleus to the cytoplasm.

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Overview

Product Name	Anti-DDX3 DDX3X Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-DDX3 DDX3X Antibody (Catalog # A00751-2). Tested in ELISA, WB, ICC, IF applications. This antibody reacts with Human, Mouse.
Application	ELISA, IF, ICC, WB
Clonality	Polyclonal
Formulation	DDX3 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	DDX3 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	O00571

Technical Details

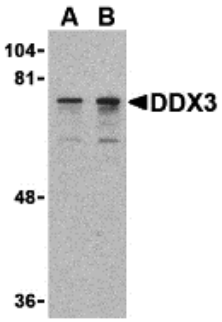
Immunogen	DDX3 antibody was raised against a 16 amino acid synthetic peptide from near the amino terminus of human DDX3. The immunogen is located within amino acids 110 - 160 of DDX3.
Predicted Reactive Species	Rat

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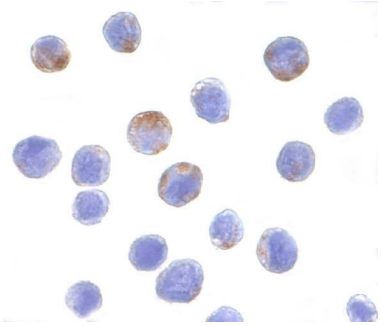
Cross Reactivity	DDX3 antibody will detect both DDX3 and DBY.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	DDX3 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	DDX3 antibody can be used for the detection of DDX3 by Western blot at 0.5 - 1 ug/mL. Antibody can also be used for immunocytochemistry starting at 10 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in human samples; Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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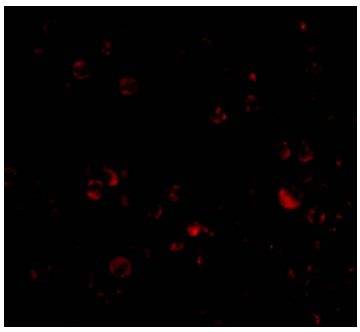
Anti-DDX3 DDX3X Antibody (A00751-2) Images



Western blot analysis of DDX3 in HepG2 cell lysate with DDX3 antibody at (A) 0.5 and (B) 1 ug/mL.



Immunocytochemistry of DDX3 in HepG2 cells with DDX3 antibody at 10 ug/mL.



Immunofluorescence of DDX3 in HepG2 cells with DDX3 antibody at 20 ug/mL.

Anti-DDX3 DDX3X Antibody

For Research Use Only. Not for use in diagnostic procedures.