

Datasheet for ABIN499730  
**anti-DDX3X antibody (Intermediate Domain)**



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2 Images

## Overview

Quantity:	0.1 mg
Target:	DDX3X
Binding Specificity:	Intermediate Domain
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DDX3X antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

## Product Details

Immunogen:	Human DDX3 (Intermediate Domain) Peptide
Isotype:	IgG
Purification:	Affinity chromatography purified via peptide column

## Target Details

Target:	DDX3X
Alternative Name:	DDX3X ( <a href="#">DDX3X Products</a> )
Background:	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 (1,2). DDX3 is localized to the X chromosome and has a highly conserved functional homolog (DBY) on the Y chromosome (3). DDX3 is thought to be involved in RNA splicing, RNA

## Target Details

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transport, and translation initiation (4). It has also been shown to be involved in cell growth control and is deregulated in hepatitis virus-associated hepatocellular carcinoma (5). 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 (6). Synonyms: ATP-dependent RNA helicase DDX3X, DBX, DDX3, DEAD box X isoform, DEAD box protein 3 X-chromosomal, DEAD3, Embryonic RNA helicase, HLP2, Helicase-like protein 2

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Gene ID: 1654

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UniProt: [O00571](#)

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Pathways: [Ribonucleoprotein Complex Subunit Organization](#), [Positive Regulation of Endopeptidase Activity](#), [Negative Regulation of intrinsic apoptotic Signaling](#), [Ribosome Assembly](#)

## Application Details

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Application Notes: ELISA. Western BLot: 1 - 2 µg/mL. Immunocytochemistry.  
Other applications not tested.  
Optimal dilutions are dependent on conditions and should be determined by the user.

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Restrictions: For Research Use only

## Handling

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Buffer: PBS containing 0.02 % sodium azide.

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Preservative: Sodium azide

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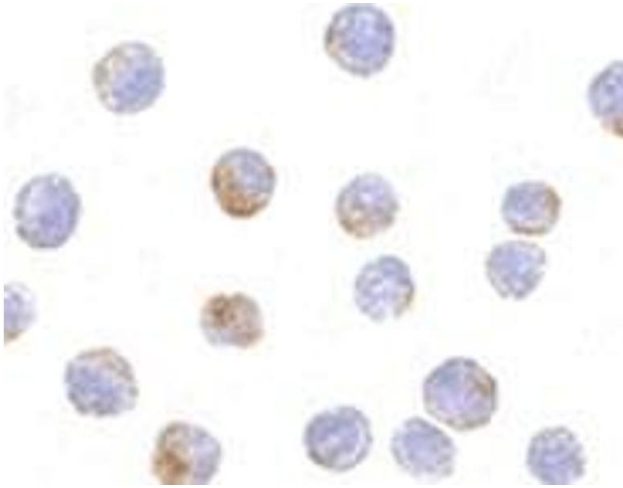
Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: 4 °C

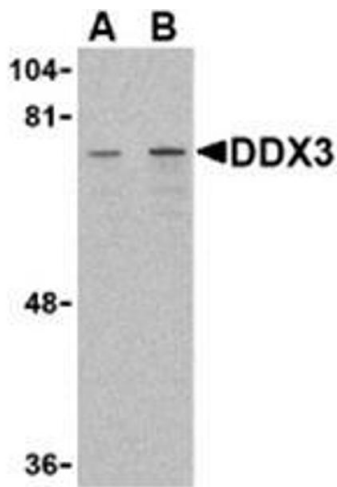
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Storage Comment: Store the antibody undiluted at 2-8 °C.



### Immunofluorescence

**Image 1.** Immunocytochemistry of DDX3 in HepG2 cells with AP30283PU-N DDX3 antibody at 10 µg/ml.



### Western Blotting

**Image 2.** Western blot analysis of DDX3 in HepG2 cell lysate with AP30283PU-N DDX3 antibody at (A) 1 and (B) 2 µg/ml.