

Datasheet for ABIN499728
anti-DDX3X antibody (N-Term)



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2 Images

Overview

Quantity:	0.1 mg
Target:	DDX3X
Binding Specificity:	N-Term
Reactivity:	Human, Mouse
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 (N-Terminus) Peptide
Isotype:	IgG
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	DDX3X
Alternative Name:	DDX3X (DDX3X Products)
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

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

Gene ID: 1654

UniProt: [O00571](#)

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

Application Details

Application Notes: ELISA. Western Blot: 0.5 - 1 µg/mL. Immunocytochemistry.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

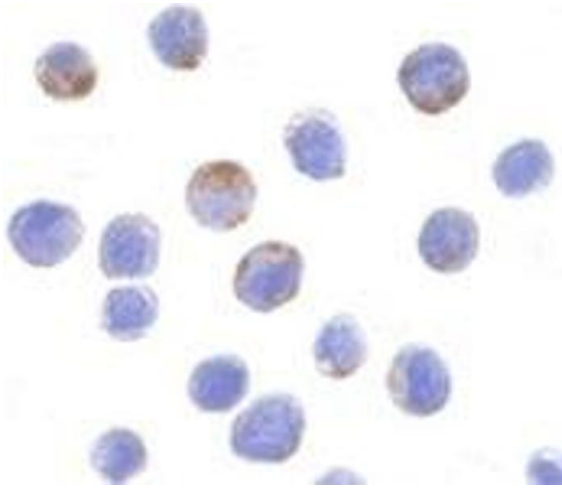
Buffer: PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

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

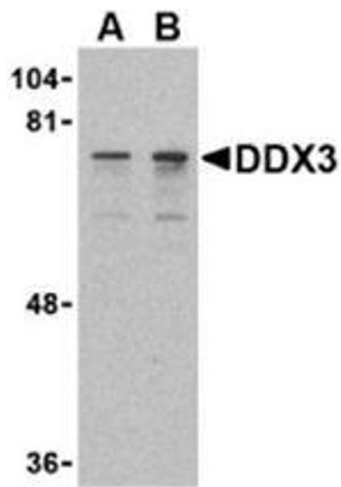
Storage: 4 °C

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



Immunofluorescence

Image 1. Immunocytochemistry of DDX3 in HepG2 cells with AP30282PU-N DDX3 antibody at 10 µg/ml.



Western Blotting

Image 2. Western blot analysis of DDX3 in HepG2 cell lysate with AP30282PU-N DDX3 antibody at (A) 0.5 and (B) 1 µg/ml.