DDX3 Antibody

Catalog No: #24396

Orders: order@signalwayantibody.com
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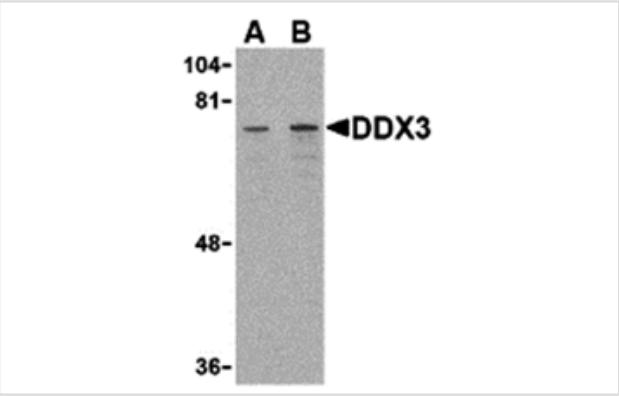
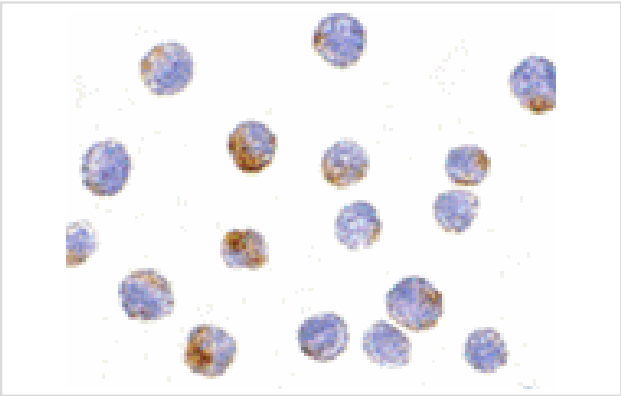
Description

Product Name	DDX3 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB ICC
Species Reactivity	Hu Ms Rt
Specificity	DDX3 antibody will detect both DDX3 and DBY.
Immunogen Type	Peptide
Immunogen Description	Raised against a 16 amino acid peptide from near the center of human DDX3.
Target Name	DDX3
Other Names	Dead box polypeptide 3 X-linked, DBX, Helicase-like protein 2
Accession No.	Swiss-Prot:O00571Gene ID:1654
Uniprot	O00571
GeneID	1654;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



Western blot analysis of DDX3 in HepG2 cell lysate with DDX3 antibody at (A) 1 and (B) 2 ug/mL.



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

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. 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.

Note: This product is for in vitro research use only