Product Name: DDX3 (phospho Thr322) Rabbit Polyclonal Antibody
Catalog #: APRab04545

Summary

Production Name	DDX3 (phospho Thr322) Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	ELISA,IF,IHC,WB
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Phospho Antibody
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	DDX3X
Alternative Names	DDX3X; DBX; DDX3; ATP-dependent RNA helicase DDX3X; DEAD box protein 3; X-chromosomal; DEAD box, X isoform; Helicase-like protein 2; HLP2
Gene ID	1654.0
SwissProt ID	O00571.The antiserum was produced against synthesized peptide derived from human DDX3/DEAD-box Protein 3 around the phosphorylation site of Thr322. AA range:466-515

Application

Dilution Ratio	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in

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other applications.

Molecular Weight

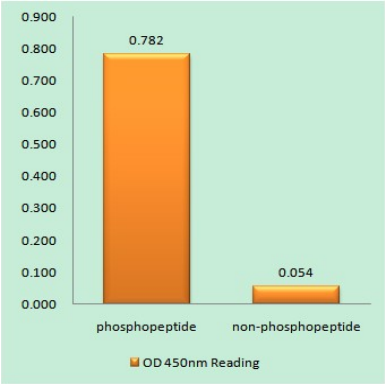
Background

The protein encoded by this gene is a member of the large DEAD-box protein family, that is defined by the presence of the conserved Asp-Glu-Ala-Asp (DEAD) motif, and has ATP-dependent RNA helicase activity. This protein has been reported to display a high level of RNA-independent ATPase activity, and unlike most DEAD-box helicases, the ATPase activity is thought to be stimulated by both RNA and DNA. This protein has multiple conserved domains and is thought to play roles in both the nucleus and cytoplasm. Nuclear roles include transcriptional regulation, mRNP assembly, pre-mRNA splicing, and mRNA export. In the cytoplasm, this protein is thought to be involved in translation, cellular signaling, and viral replication. Misregulation of this gene has been implicated in tumorigenesis. This gene has a paralog located in the nonrecombining region of the Y chromosome. Pseudogenes sharing similaritfunction:ATP-dependent RNA helicase. Acts as a cofactor for XPO1-mediated nuclear export of incompletely spliced HIV-1 Rev RNAs. Also involved in HIV-1 replication. Interacts specifically with hepatitis C virus core protein resulting in a change in intracellular location.,similarity:Belongs to the DEAD box helicase family.,similarity:Belongs to the DEAD box helicase family. DDX3/DED1 subfamily.,similarity:Contains 1 helicase ATP-binding domain.,similarity:Contains 1 helicase C-terminal domain.,subcellular location:Located predominantly in nuclear speckles and, at low levels, throughout the cytoplasm. Located to the outer side of nuclear pore complexes (NPC). Shuttles between the nucleus and the cytoplasm in a XPO1-dependent manner.,subunit:Found in a complex with Rev and XPO1. Interacts with XPO1 and TDRD3. Interacts with HCV core protein.,

Research Area

RIG-I-like receptor;

Image Data



Enzyme-Linked Immunosorbent Assay （Phospho-ELISA） for Immunogen Phosphopeptide （Phospho-left） and Non-Phosphopeptide （Phospho-right）, using DDX3/DEAD-box Protein 3 （Phospho-Thr322） Antibody

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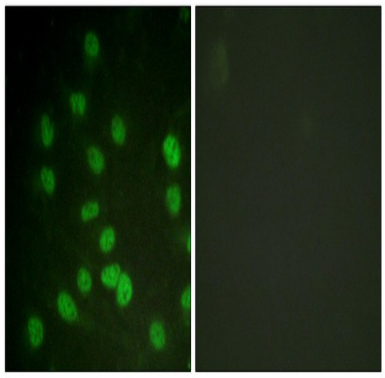
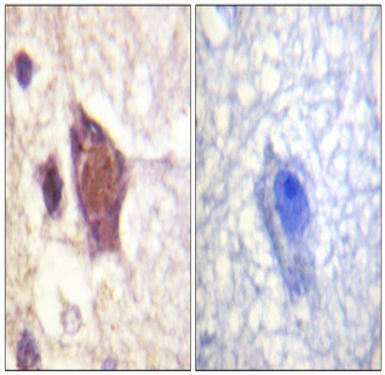
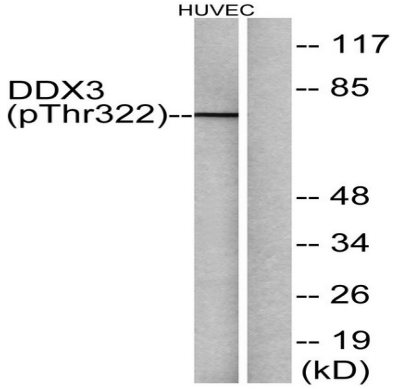


Immunofluorescence analysis of HUVEC cells treated with serum 20% 30 ', using DDX3/DEAD-box Protein 3 (Phospho-Thr322) Antibody. The picture on the right is blocked with the phospho peptide.



Immunohistochemistry analysis of paraffin-embedded human brain, using DDX3/DEAD-box Protein 3 (Phospho-Thr322) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of DDX3/DEAD-box Protein 3 (Phospho-Thr322) Antibody. The lane on the right is blocked with the DDX3/DEAD-box Protein 3 (Phospho-Thr322) peptide.

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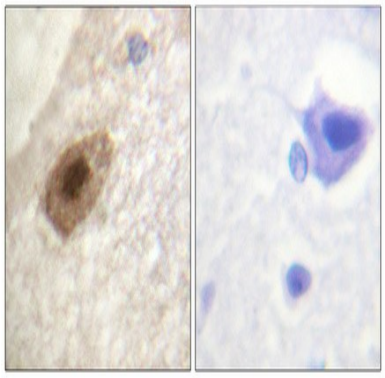

Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100（4°,overnight）. High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl （right） obtaned from antibody was pre-absorbed by immunogen peptide.

Note

For research use only.