

DDX3X polyclonal antibody

Catalog # PAB3151

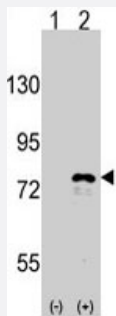
Size 400 uL

Applications



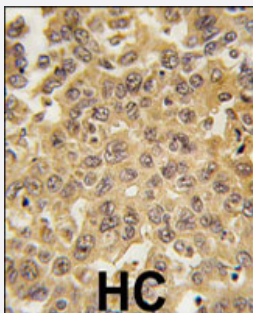
Western Blot (Cell lysate)

Western blot analysis of DDX3X polyclonal antibody (Cat # PAB3151) in HeLa cell line lysates (35 ug/lane). DDX3X (arrow) was detected using the purified polyclonal antibody.



Western Blot (Transfected lysate)

Western blot analysis of DDX3X (arrow) using rabbit DDX3X polyclonal antibody (Cat # PAB3151). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the DDX3 gene (Lane 2) (Origene Technologies).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma reacted with DDX3X polyclonal antibody (Cat # PAB3151), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic peptide of DDX3X.

Immunogen

A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human DDX3X.

Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein A purification
Recommend Usage	Western Blot (1:1000) Immunohistochemistry (1:10-50) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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Gene Info — DDX3X

Entrez GeneID	1654
Protein Accession#	NP_001347:O00571
Gene Name	DDX3X
Gene Alias	DBX, DDX14, DDX3, HLP2

Gene Description	DEAD (Asp-Glu-Ala-Asp) box polypeptide 3, X-linked
Omim ID	300160
Gene Ontology	Hyperlink
Gene Summary	<p>DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases. They are implicated in a number of cellular processes involving alteration of RNA secondary structure such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. Based on their distribution patterns, some members of this family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. This gene encodes a DEAD box protein, which interacts specifically with hepatitis C virus core protein resulting a change in intracellular location. This gene has a homolog located in the nonrecombining region of the Y chromosome. The protein sequence is 91% identical between this gene and the Y-linked homolog. [provided by RefSeq]</p>
Other Designations	ATP-dependent RNA helicase DDX3X CAP-Rf DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 3 DEAD/H box-3 helicase like protein 2

Publication Reference

- [DDX3 DEAD-box RNA helicase is required for hepatitis C virus RNA replication.](#)

Ariumi Y, Kuroki M, Abe K, Dansako H, Ikeda M, Wakita T, Kato N.

Journal of Virology 2007 Dec; 81(24):13922.

Application: IF, WB-Tr, Human, 293FT cells

- [Crystal structure of conserved domains 1 and 2 of the human DEAD-box helicase DDX3X in complex with the mononucleotide AMP.](#)

Hogbom M, Collins R, van den Berg S, Jenvert RM, Karlberg T, Kotenyova T, Flores A, Karlsson Hedestam GB, Schiavone LH.

Journal of Molecular Biology 2007 Sep; 372(1):150.

- [Human DEAD-box ATPase DDX3 shows a relaxed nucleoside substrate specificity.](#)

Franca R, Belfiore A, Spadari S, Maga G.

Proteins 2007 Jun; 67(4):1128.

Disease

- [Disease Progression](#)
- [Disease Susceptibility](#)
- [HIV Infections](#)