



## DDX3 mouse mAb

<b>Catalog No</b>	BYab-01105
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;Monkey
<b>Applications</b>	WB;IP;ICC
<b>Gene Name</b>	ddx3x
<b>Protein Name</b>	
<b>Immunogen</b>	Purified recombinant human DDX3 protein fragments expressed in E.coli.
<b>Specificity</b>	This antibody detects endogenous levels of DDX3 and does not cross-react with related proteins.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse
<b>Purification</b>	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	wb dilution 1:1000 icc dilution 1:200
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	ATP dependent RNA helicase DDX3X;ATP-dependent RNA helicase DDX3X;CAP Rf;DBX;DDX14;DDX3X;DDX3X_HUMAN;DEAD (Asp Glu Ala Asp) box polypeptide 3 X linked;DEAD box;DEAD box protein 3;DEAD box protein 3 X-chromosomal;DEAD box X isoform;DEAD/H (Asp Glu Ala Asp/His) box polypeptide 3;DEAD/H box 3;DEAD/H box 3, X-linked;Fibroblast Growth Factor Inducible 14;Fin14;Helicase like protein 2;Helicase-like protein 2;HLP2;X isoform;X-chromosomal.
<b>Observed Band</b>	75kD
<b>Cell Pathway</b>	Cell membrane . Nucleus . Cytoplasm . Cytoplasm, Stress granule . Inflammasome . Cell projection, lamellipodium . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Shuttles between the nucleus and the cytosol (PubMed:15507209, PubMed:18636090, PubMed:29899501, PubMed:31575075, PubMed:30131165). Exported from the nucleus partly through the XPO1/CRM1 system and partly through NXF1/TAP (PubMed:15507209, PubMed:18636090, PubMed:18596238, PubMed:31575075, PubMed:30131165). Localizes to nuclear pores on the outer side of the nuclear

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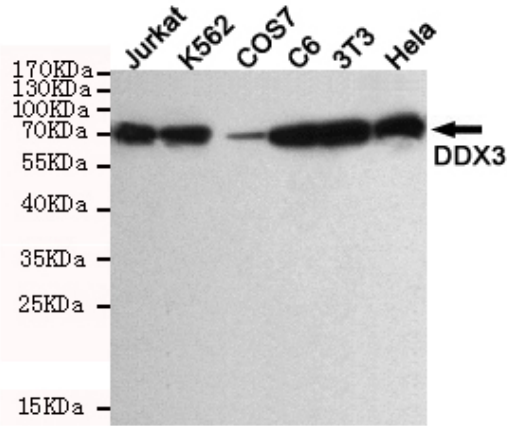


	membrane (PubMed:15507209). In the cytosol, partly colocalizes with mitochondria (PubMed:20127681). At G0, predominantly located in nucleus. In G1/S phase, predominantly cytoplasmic (PubMed:22034099). During prophase/prometaphase, localizes in cios
<b>Tissue Specificity</b>	Widely expressed (PubMed:15294876). In testis, expressed in spermatids (PubMed:15294876). Expressed in epidermis and liver (at protein level) (PubMed:16818630, PubMed:16301996).
<b>Function</b>	function: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.,
<b>Background</b>	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 similarit
<b>matters needing attention</b>	Avoid repeated freezing and thawing!
<b>Usage suggestions</b>	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

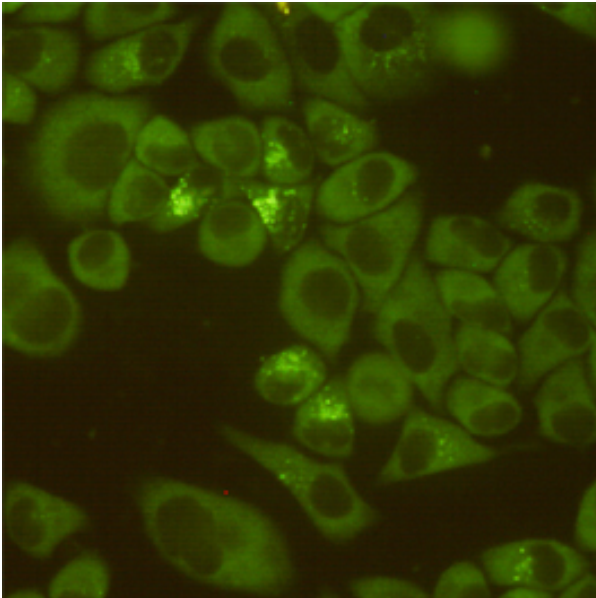
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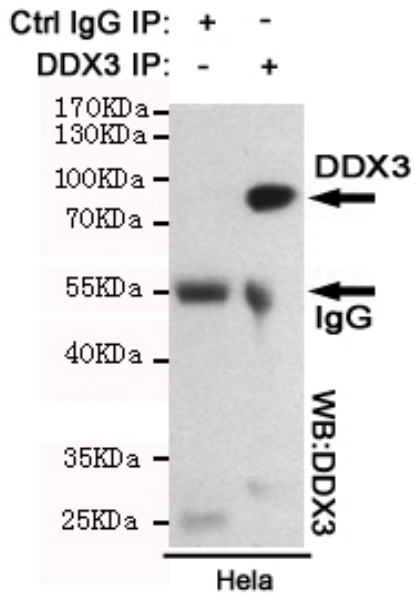
## Products Images



Western blot detection of DDX3 in HeLa, 3T3, C6, COS7, K562 and Jurkat cell lysate using DDX3 mouse mAb (1:1000 diluted). Predicted band size: 75KDa. Observed band size: 75KDa.



Immunocytochemistry staining of HeLa cells fixed with 4% Paraformaldehyde and using DDX3 mouse mAb (dilution 1:200).



Immunoprecipitation analysis of HeLa cell lysates using DDX3 mouse mAb.