

For Research Use Only

# DDX3 Monoclonal antibody

Catalog Number: 67915-1-Ig **2 Publications**



## Basic Information

<b>Catalog Number:</b> 67915-1-Ig	<b>GenBank Accession Number:</b> BC011819	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 1654	<b>CloneNo.:</b> 1D3A1
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> O00571	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IHC 1:250-1:1000
<b>Isotype:</b> IgG2b	<b>Full Name:</b> DEAD (Asp-Glu-Ala-Asp) box polypeptide 3, X-linked	
<b>Immunogen Catalog Number:</b> AG29972	<b>Calculated MW:</b> 73 kDa	
	<b>Observed MW:</b> 71-73 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b> WB : LNCaP cells, HeLa cells, HEK-293 cells, HepG2 cells, Jurkat cells, HSC-T6 cells IHC : human breast cancer tissue,
<b>Cited Applications:</b> WB, IF	
<b>Species Specificity:</b> Human, Rat	
<b>Cited Species:</b> human, rat	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

DDX3X, also named DBX, DDX3, and HLP2, belongs to the DEAD-box helicase family and DDX3/DED1 subfamily. It is ATP-dependent RNA helicase. DDX3X acts as a cofactor for XPO1-mediated nuclear export of incompletely spliced HIV-1 Rev RNAs. It is also involved in HIV-1 replication. DDX3X interacts specifically with hepatitis C virus core protein resulting in a change in intracellular location. 73kd is the target band. 60-65kd is some other isoform. This antibody can bind both DDX3X and DDX3Y for the close sequences.

## Notable Publications

Author	Pubmed ID	Journal	Application
Nina Đukić	37703374	Sci Adv	WB
Qingzhu Wang	37580991	CNS Neurosci Ther	IF

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

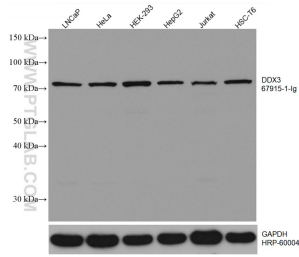
T: 4006900926

E: Proteintech-CN@ptglab.com

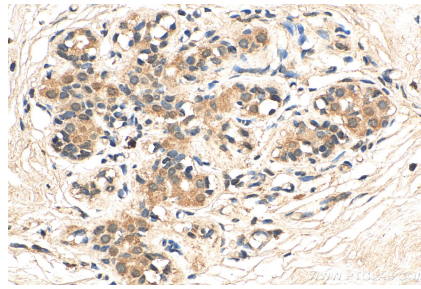
W: ptgcn.com

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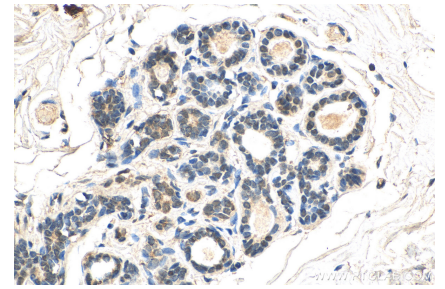
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67915-1-Ig (DDX3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67915-1-Ig (DDX3 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67915-1-Ig (DDX3 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).