

For Research Use Only

DDX3 Monoclonal antibody

Catalog Number: 67915-1-Ig **3 Publications**



Basic Information

Catalog Number: 67915-1-Ig	GenBank Accession Number: BC011819	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 1654	CloneNo.: 1D3A1
Source: Mouse	UNIPROT ID: O00571	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:250-1:1000
Isotype: IgG2b	Full Name: DEAD (Asp-Glu-Ala-Asp) box polypeptide 3, X-linked	
Immunogen Catalog Number: AG29972	Calculated MW: 73 kDa	
	Observed MW: 71-73 kDa	

Applications

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

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
Fengyu Jiang	39454411	Int Immunopharmacol	WB
Nina Đukić	37703374	Sci Adv	WB
Qingzhu Wang	37580991	CNS Neurosci Ther	IF

Storage

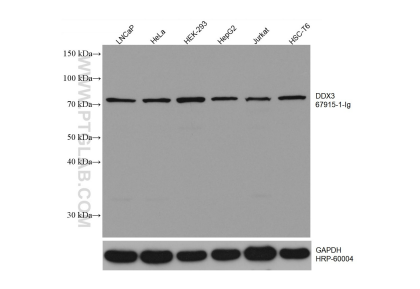
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

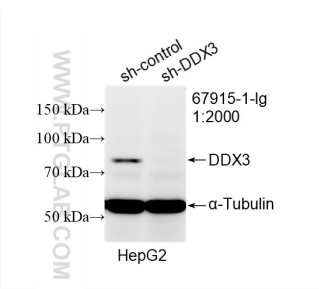
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

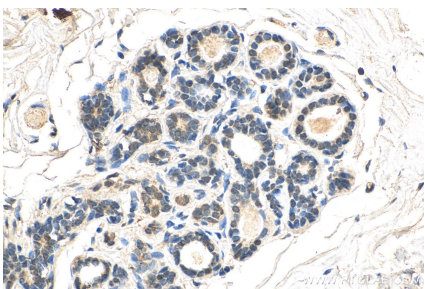
Selected Validation Data



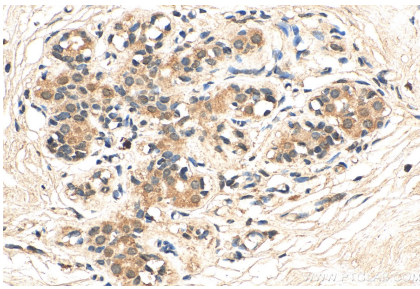
Various lysates were subjected to SDS PAGE followed by western blot with 67915-1-Ig (DDX3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



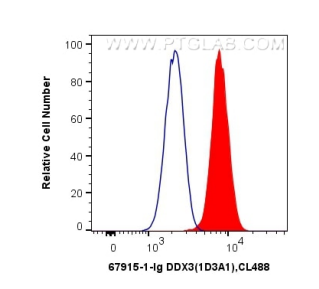
WB result of DDX3 antibody (67915-1-Ig: 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-DDX3 transfected HepG2 cells.



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).



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).



1X10⁶ HepG2 cells were intracellularly stained with 0.5 ug Anti-Human DDX3 (67915-1-Ig, Clone:1D3A1) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.5 ug Mouse IgG2b Isotype Control (66360-3-Ig, Clone: K11B8C4B5) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).