

For Research Use Only

DDX3 Monoclonal antibody, PBS Only



Catalog Number: 67915-1-PBS

Basic Information

Catalog Number: 67915-1-PBS	GenBank Accession Number: BC011819	Purification Method: Protein A purification
Size: 100ug , Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 1654	CloneNo.: 1D3A1
Source: Mouse	UNIPROT ID: O00571	
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:
Indirect ELISA, IHC, WB

Species Specificity:
rat, human

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.

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

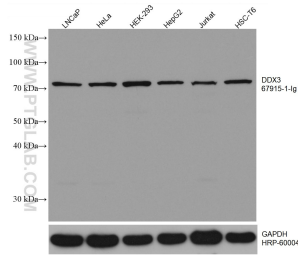
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

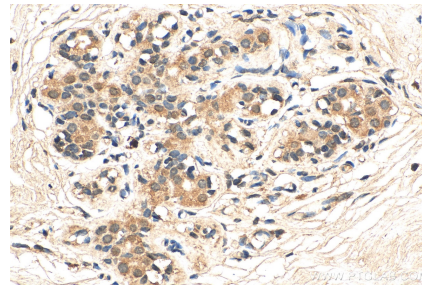
E: proteintech@ptglab.com
W: ptglab.com

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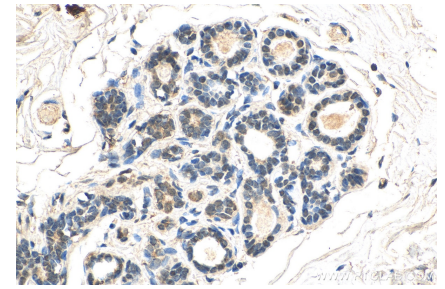
Selected Validation Data



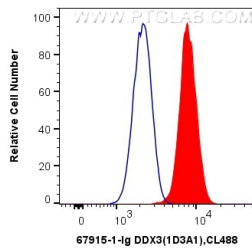
Various lysates were subjected to SDS PAGE followed by western blot with 67915-1-Ig (DDX3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. This data was developed using the same antibody clone with 67915-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 67915-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 67915-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 67915-1-PBS in a different storage buffer