

For Research Use Only

# DDX54 Monoclonal antibody, PBS Only



Catalog Number: 66664-1-PBS

## Basic Information

<b>Catalog Number:</b> 66664-1-PBS	<b>GenBank Accession Number:</b> BC156669	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 79039	<b>CloneNo.:</b> 1H9F4
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q8TDD1	
<b>Isotype:</b> IgG2a	<b>Full Name:</b> DEAD (Asp-Glu-Ala-Asp) box polypeptide 54	
<b>Immunogen Catalog Number:</b> AG25289	<b>Calculated MW:</b> 98 kDa	
	<b>Observed MW:</b> 98 kDa	

## Applications

**Tested Applications:**  
Indirect ELISA, IF/ICC, WB

**Species Specificity:**  
mouse, human

## Background Information

DDX54, also named as ATP-dependent RNA helicase DDX54, is a 881 amino acid protein, which contains 1 helicase ATP-binding domain and belongs to the DEAD box helicase family. DDX54/DBP10 subfamily. DDX54 localizes in nucleus and interacts in a hormone-dependent manner with nuclear receptors. DDX54 has RNA-dependent ATPase activity and represses the transcriptional activity of nuclear receptors.

## Storage

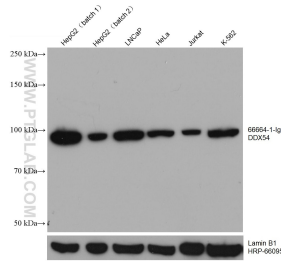
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

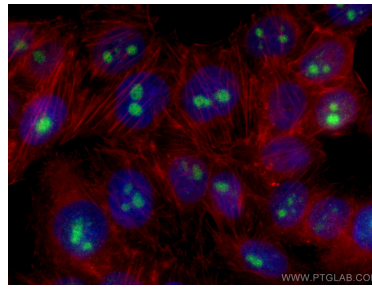
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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

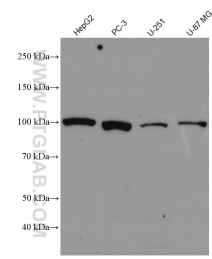
## Selected Validation Data



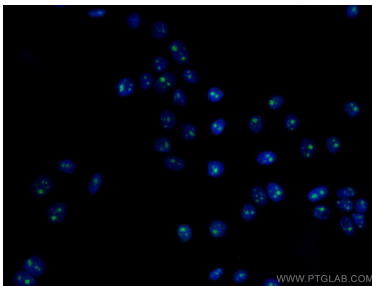
Various lysates were subjected to SDS PAGE followed by western blot with 66664-1-Ig (DDX54 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Lamin B1 Monoclonal antibody (HRP-66095) as loading control. This data was developed using the same antibody clone with 66664-1-PBS in a different storage buffer formulation.



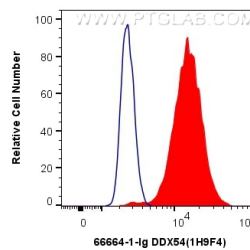
Immunofluorescent analysis of (4% PFA) fixed PC-3 cells using DDX54 antibody (66664-1-Ig, Clone: 1H9F4) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red). This data was developed using the same antibody clone with 66664-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 66664-1-Ig (DDX54 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66664-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed PC-3 cells using DDX54 antibody (66664-1-Ig, Clone: 1H9F4) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red). This data was developed using the same antibody clone with 66664-1-PBS in a different storage buffer formulation.



1X10<sup>6</sup> PC-3 cells were intracellularly stained with 0.4 ug Anti-Human DDX54 (66664-1-Ig, Clone:1H9F4) and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG2a Isotype Control (C1.18.4) (65208-1-Ig, Clone: C1.18.4) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). This data was developed using the same antibody clone with 66664-1-PBS in a different storage buffer