

For Research Use Only

DDX54 Monoclonal antibody

Catalog Number: 66664-1-Ig **1 Publications**



Basic Information

Catalog Number: 66664-1-Ig	GenBank Accession Number: BC156669	Purification Method: Protein A purification
Size: 150ul , Concentration: 1300 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 79039	CloneNo.: 1H9F4
Source: Mouse	UNIPROT ID: Q8TDD1	Recommended Dilutions: WB 1:5000-1:50000 IF/ICC 1:200-1:800
Isotype: IgG2a	Full Name: DEAD (Asp-Glu-Ala-Asp) box polypeptide 54	
Immunogen Catalog Number: AG25289	Calculated MW: 98 kDa	
	Observed MW: 98 kDa	

Applications

Tested Applications: WB, IF/ICC, FC (Intra), ELISA	Positive Controls:
Cited Applications: WB, IHC	WB : HepG2 cells, LNCaP cells, HeLa cells, Jurkat cells, K-562 cells, PC-3 cells, U-251 cells, U-87 MG cells
Species Specificity: human, mouse	IF/ICC : PC-3 cells,
Cited Species: 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Yi Yu	33968751	Front Oncol	WB,IHC

Storage

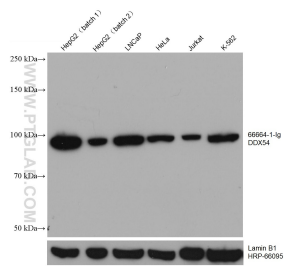
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

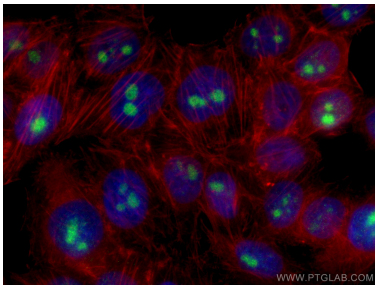
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

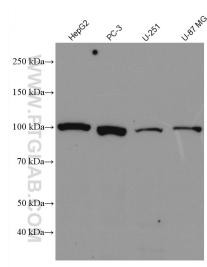
Selected Validation Data



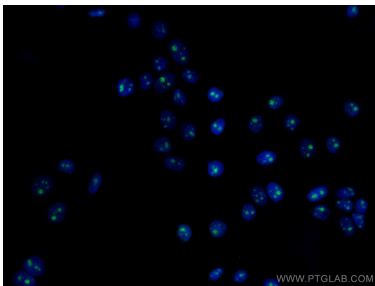
Various lysates were subjected to SDS PAGE followed by western blot with 66664-1-Ig (DDX54 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Lamin B1 Monoclonal antibody (HRP-66095) as loading control.



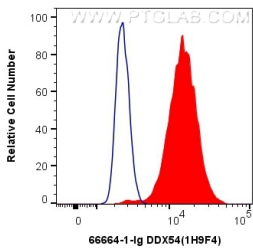
Immunofluorescent analysis of (4% PFA) fixed PC-3 cells using DDX54 antibody (66664-1-Ig, Clone: 1H9F4) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).



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.



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 Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).



1X10⁶ PC-3 cells were intracellularly stained with 0.4 ug Anti-Human DDX54 (66664-1-Ig, Clone:1H9F4) and CoraLite®488-Conjugated 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).