

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: 1300 µg/ml	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.

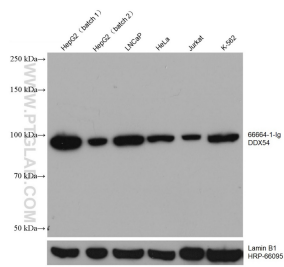
Notable Publications

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

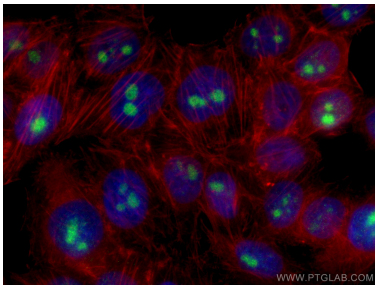
Storage

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

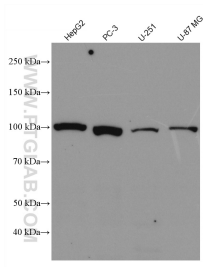
Selected Validation Data



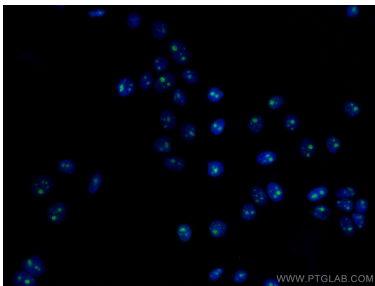
Various lysates were subjected to SDS PAGE followed by western blot with 66664-1-Ig (DDX54 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Lamin B1 Monoclonal antibody (HRP-66095) as loading control.



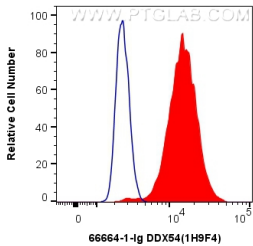
Immunofluorescent analysis of (4% PFA) fixed PC-3 cells using DDX54 antibody (66664-1-Ig, Clone: 1H9F4) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).



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 AffiniPure 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 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).