

For Research Use Only

# DDX6 Polyclonal antibody

Catalog Number: 14632-1-AP

8 Publications



## Basic Information

<b>Catalog Number:</b> 14632-1-AP	<b>GenBank Accession Number:</b> BC065007	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 260 µg/ml by Nanodrop and 187 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 1656	<b>Recommended Dilutions:</b> WB 1:2000-1:16000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500 IF 1:200-1:800
<b>Source:</b> Rabbit	<b>Full Name:</b> DEAD (Asp-Glu-Ala-Asp) box polypeptide 6	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 54 kDa	
<b>Immunogen Catalog Number:</b> AG6211	<b>Observed MW:</b> 54 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, IP, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> IF, WB	<b>WB :</b> HeLa cells, HEK-293 cells, HepG2 cells, Jurkat cells, K-562 cells, C2C12 cells, mouse testis tissue
<b>Species Specificity:</b> human, mouse, rat	<b>IP :</b> mouse testis tissue,
<b>Cited Species:</b> human, mouse	<b>IHC :</b> human breast cancer tissue, mouse testis tissue
<b>Note-IHC:</b> suggested antigen retrieval with <b>TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IF :</b> HeLa cells, hTERT-RPE1 cells

## Background Information

P54, also named as DDX6, HLR2, and RCK, is a 483 amino acid protein, which contains one helicase C-terminal domain, one helicase ATP-binding domain, and belongs to the DEAD box helicase family. DDX6/DDH1 subfamily. P54 is abundantly expressed in most tissues. In the process of mRNA degradation, P54 may play a role in mRNA decapping. P54 is involved in the replication of hepatitis C virus genomes in hepatocytes and in tumorigenesis of hepatocellular carcinomas.

## Notable Publications

Author	Pubmed ID	Journal	Application
Miao Zhang	36175800	Int J Legal Med	WB
Alexia Akalestou-Clocher	36271369	BMC Bioinformatics	IF
Limei Zou	35756894	iScience	WB,IF

## Storage

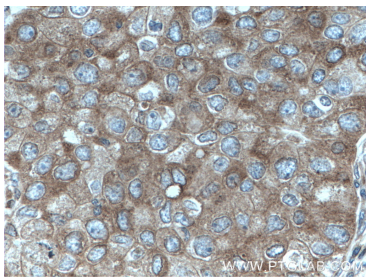
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

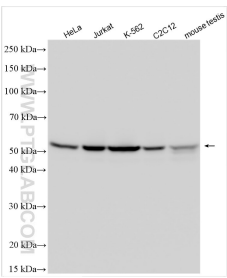
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

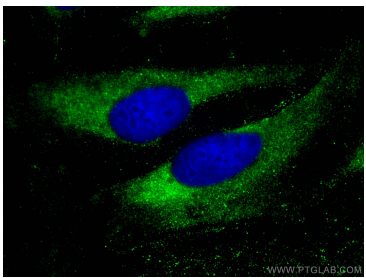
## Selected Validation Data



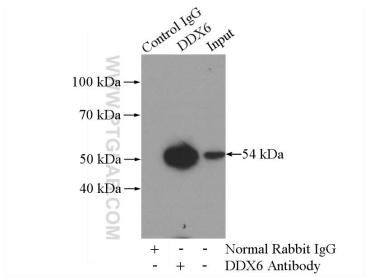
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 14632-1-AP (DDX6 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 14632-1-AP (DDX6 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using DDX6 antibody (14632-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IP Result of anti-DDX6 (IP:14632-1-AP, 4ug; Detection:14632-1-AP 1:500) with mouse testis tissue lysate 4000ug.