

For Research Use Only

# DDX6 Polyclonal antibody

Catalog Number: 14632-1-AP

Featured Product

12 Publications



## Basic Information

### Catalog Number:

14632-1-AP

### Size:

150ul, Concentration: 550 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG6211

### GenBank Accession Number:

BC065007

### GeneID (NCBI):

1656

### UNIPROT ID:

P26196

### Full Name:

DEAD (Asp-Glu-Ala-Asp) box polypeptide 6

### Calculated MW:

54 kDa

### Observed MW:

54 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

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/ICC 1:200-1:800

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

### Positive Controls:

**WB** : HeLa cells, HEK-293 cells, HepG2 cells, Jurkat cells, K-562 cells, C2C12 cells, mouse testis tissue, rat testis tissue

**IP** : mouse testis tissue,

**IHC** : human breast cancer tissue, mouse testis tissue

**IF/ICC** : HeLa cells, hTERT-RPE1 cells

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

DDX6, also named as P54, 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/DHH1 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

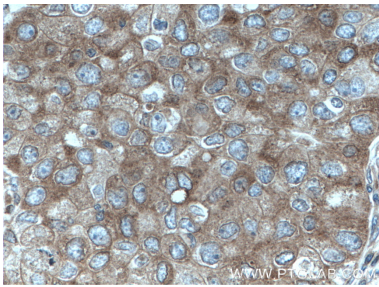
For technical support and original validation data for this product please contact:

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

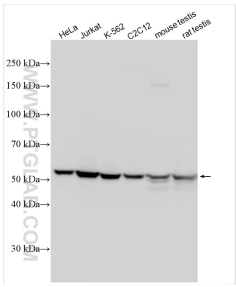
E: proteintech@ptglab.com  
W: ptglab.com

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

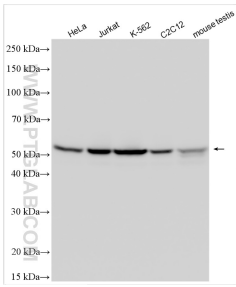
Selected Validation Data



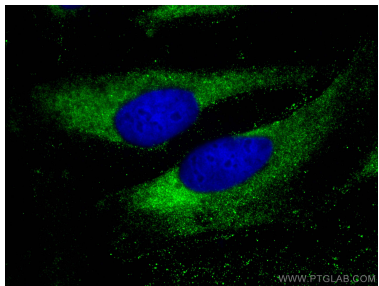
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 14632-1-AP (DDX6 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



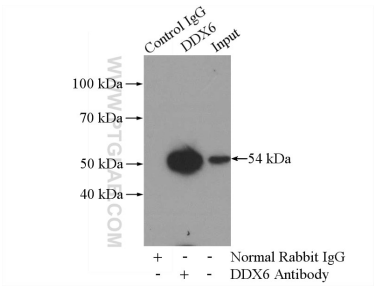
Various lysates were subjected to SDS PAGE followed by western blot with 14632-1-AP (DDX6 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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.