

For Research Use Only

# DHX36 Polyclonal antibody

Catalog Number: 13159-1-AP

Featured Product

12 Publications



## Basic Information

### Catalog Number:

13159-1-AP

### Size:

150ul, Concentration: 193 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG3799

### GenBank Accession Number:

BC036035

### GeneID (NCBI):

170506

### UNIPROT ID:

Q9H2U1

### Full Name:

DEAH (Asp-Glu-Ala-His) box polypeptide 36

### Calculated MW:

1008 aa, 115 kDa

### Observed MW:

110-120 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IP, ELISA

### Cited Applications:

WB, IF, IP, ColP, RIP

### Species Specificity:

human

### Cited Species:

human, mouse, monkey

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

### Positive Controls:

WB: HeLa cells, human brain tissue, PC-3 cells, HEK-293T cells, A431 cells

IP: PC-3 cells, A431 cells

IHC: human prostate cancer tissue,

## Background Information

DHX36, also known as RNA associated with AU-rich element (RHAU) and G4R1, is an adenosine triphosphate (ATP)-dependent RNA helicase that belongs to the DExH/D family of RNA modifying enzymes. Proteins in this family involve in a wide range of cellular functions including RNA splicing, ribosome assembly, messenger RNA (mRNA) stability, microRNA processing, ribonucleoprotein remodeling and RNA trafficking. DHX36 is an RNA helicase that has specificity for DNA and RNA G4-quadruplexes, and resolves G4 structures into separate nucleotide strands for metabolic processing of G-rich sequence.

## Notable Publications

Author	Pubmed ID	Journal	Application
Connor J Maltby	32870280	Nucleic Acids Res	WB
Shawn M Lyons	29066746	Nat Commun	WB
Huiyuan Jing	29123520	Front Immunol	WB, ColP

## 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

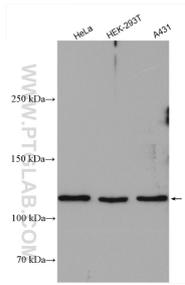
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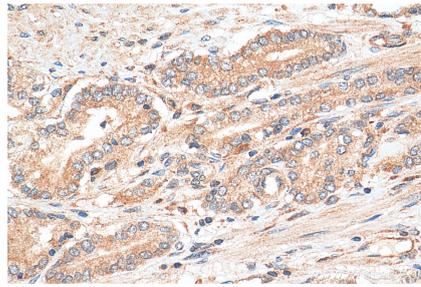
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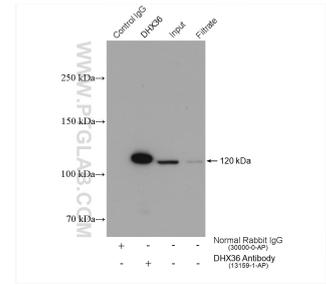
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 13159-1-AP (DHX36 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 13159-1-AP (DHX36 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-DHX36 (IP:13159-1-AP, 4ug; Detection:13159-1-AP 1:500) with PC-3 cells lysate 1760 ug.