

For Research Use Only

# DHX15 Recombinant antibody

Catalog Number: 82137-1-RR

Featured Product



## Basic Information

### Catalog Number:

82137-1-RR

### Size:

100ul, Concentration: 1000 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG2895

### GenBank Accession Number:

BC035974

### GeneID (NCBI):

1665

### UNIPROT ID:

O43143

### Full Name:

DEAH (Asp-Glu-Ala-His) box polypeptide 15

### Calculated MW:

795 aa, 91 kDa

### Observed MW:

90-95 kDa

### Purification Method:

Protein A purification

### CloneNo.:

1F13

### Recommended Dilutions:

WB 1:5000-1:50000

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

IHC 1:250-1:1000

IF/ICC 1:1000-1:4000

## Applications

### Tested Applications:

WB, IHC, IF/ICC, FC (Intra), IP, ELISA

### Species Specificity:

human, mouse, rat

**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 : U-251 cells, HeLa cells, U2OS cells, A431 cells, NIH/3T3 cells, C6 cells

IP : NIH/3T3 cells,

IHC : mouse testis tissue,

IF/ICC : HeLa cells,

## Background Information

DHX15, also named as DBP1 and DDX15, is a DExD/H-box protein that has been identified in spliceosome, through its carboxyl (C)-terminal G-patch domain and stimulates the helicase activity of DHX15. DHX15 is a pre-mRNA processing factor involved in disassembly of spliceosomes after the release of mature mRNA. The MW of DHX15 is about 90-95kDa.

## 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

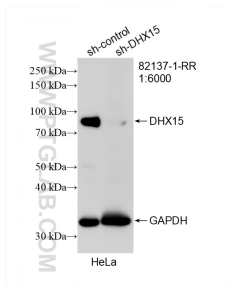
For technical support and original validation data for this product please contact:

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

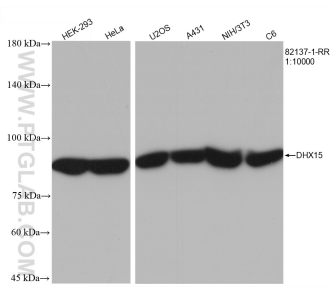
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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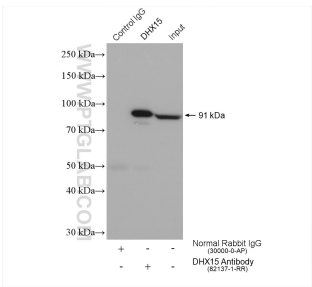
Selected Validation Data



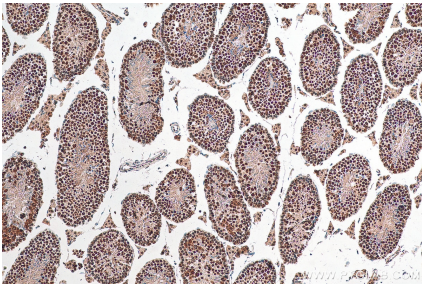
WB result of DHX15 antibody (82137-1-RR; 1:6000; incubated at room temperature for 1.5 hours) with sh-Control and sh-DHX15 transfected HeLa cells.



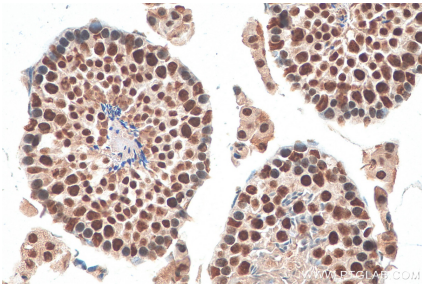
Various lysates were subjected to SDS PAGE followed by western blot with 82137-1-RR (DHX15 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



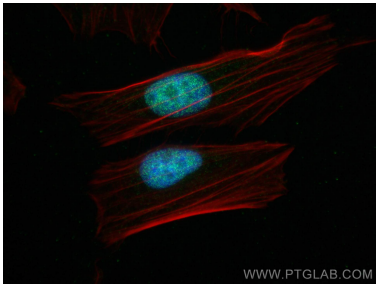
IP result of anti-DHX15 (IP:82137-1-RR, 4ug; Detection:82137-1-RR 1:8000) with NIH/3T3 cells lysate 1320 ug.



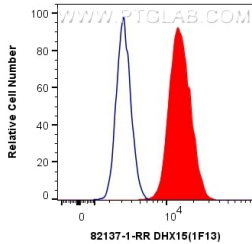
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 82137-1-RR (DHX15 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



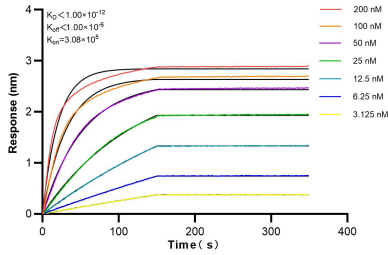
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 82137-1-RR (DHX15 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using DHX15 antibody (82137-1-RR, Clone: 1F13) at dilution of 1:2000 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.4 ug Anti-Human DHX15 (82137-1-RR, Clone:1F13) and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Biolayer interferometry (BLI) kinetic assays of 82137-1-RR against Human DHX15 were performed. The affinity constant is below 1 pM.