

For Research Use Only

# DHX15 Recombinant antibody

Catalog Number: 82137-1-RR



## Basic Information

**Catalog Number:**

82137-1-RR

**Size:**

1000 µg/ml

**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 µg for 1.0-3.0 mg of total protein lysate

IHC 1:250-1:1000

IF 1:1000-1:4000

## Applications

**Tested Applications:**

FC, IF/ICC, IHC, IP, WB, 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:** HeLa cells,

## Background Information

DHX15, also named as DBP1 and DDX15, is a DExH/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

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

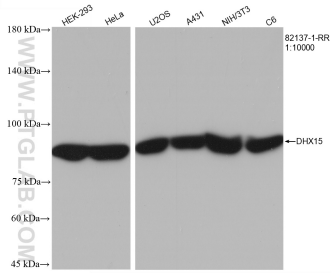
T: 4006900926

E: Proteintech-CN@ptglab.com

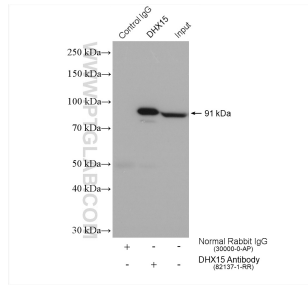
W: ptgcn.com

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

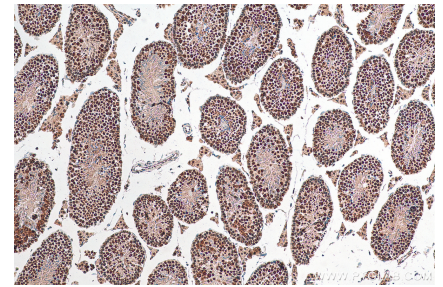
## Selected Validation Data



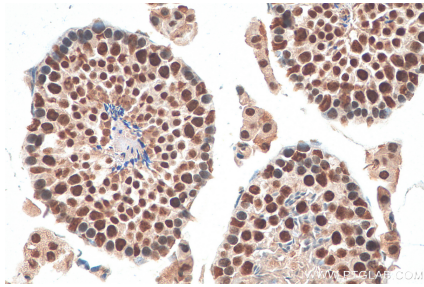
Various lysates were subjected to SDS PAGE followed by western blot with 82137-1-RR (DHX15 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



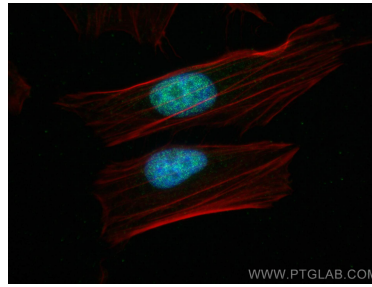
IP result of anti-DHX15 (IP:82137-1-RR, 4ug; Detection:82137-1-RR 1:8000) with NIH/3T3 cells lysate 1320 ug.



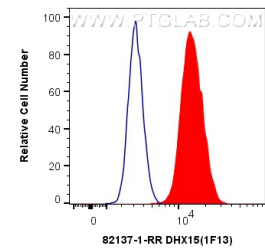
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 82137-1-RR (DHX15 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



$1 \times 10^6$  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).