

For Research Use Only

# DHX37 Polyclonal antibody

Catalog Number: 29741-1-AP

Featured Product

1 Publications



## Basic Information

**Catalog Number:**

29741-1-AP

**Size:**

1000 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG29909

**GenBank Accession Number:**

BC037964

**GeneID (NCBI):**

57647

**UNIPROT ID:**

Q8IY37

**Full Name:**

DEAH (Asp-Glu-Ala-His) box polypeptide 37

**Calculated MW:**

1157 aa, 130 kDa

**Observed MW:**

130 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:1000-1:4000

## Applications

**Tested Applications:**

WB, ELISA

**Cited Applications:**

WB

**Species Specificity:**

Human

**Cited Species:**

human

**Positive Controls:**

WB : HEK-293 cells, HeLa cells, HepG2 cells

## Background Information

DHX37, also known as DDX37, KIAA1517. It is an ATP-bound RNA helicase that plays a role in the maturation of small ribosomal subunits in ribosomal biogenesis (PMID:30582406). The presence of DHX37 in early pre-ribosomal particles was monitored by a quality control pathway, and failure to recruit DHX37 resulted in pre-RRNA degradation. DHX37 binds directly to U3 small nucleolar RNA (snoRNA), and the catalytic activity of the helicase is required for dissociation of U3 small nucleolar RNA from the pre-ribosomal complex. In addition, it plays a role in early testicular development (PMID:31287541, PMID:31337883). It may also have an effect on brain development (PubMed:31256877). It is expressed in the fallopian tubes, ovaries, uterus, testes and brain (PMID: 31256877, PMID: 31337883).

## Notable Publications

Author	Pubmed ID	Journal	Application
Nanbin Liu	37958405	Cancers (Basel)	WB

## 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:

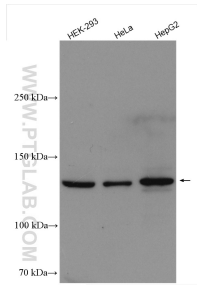
T: 4006900926

E: Proteintech-CN@ptglab.com

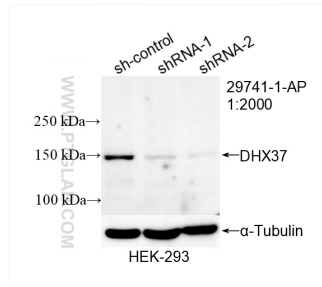
W: ptgcn.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29741-1-AP (DHX37 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



WB result of DHX37 antibody (29741-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-DHX37 transfected HEK-293 cells.