

For Research Use Only

# DDX46 Polyclonal antibody

Catalog Number: 16927-1-AP **4 Publications**



## Basic Information

**Catalog Number:**

16927-1-AP

**Size:**

350 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG10342

**GenBank Accession Number:**

BC012304

**GeneID (NCBI):**

9879

**UNIPROT ID:**

Q7L014

**Full Name:**

DEAD (Asp-Glu-Ala-Asp) box polypeptide 46

**Calculated MW:**

1031 aa, 117 kDa

**Observed MW:**

120-125 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:3000

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

IF 1:10-1:100

## Applications

**Tested Applications:**

IF/ICC, IP, WB, ELISA

**Cited Applications:**

IF, WB

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human

**Positive Controls:**

WB : HEK-293 cells, HeLa cells, NIH/3T3 cells

IP : NIH/3T3 cells,

IF : HepG2 cells,

## Background Information

DDX46, also named as KIAA0801, is a 1031 amino acid protein, which belongs to the DEAD box helicase family. DDX46 has been shown to be required at the early step of pre-spliceosome assembly. It uses the energy released by the hydrolysis of ATP to rearrange local RNA-RNA or protein-RNA interactions. The nuclear DDX46 acted as a negative regulator of the antiviral innate response by recruiting the m6A'eraser' ALKBH5 to induce retention of antiviral innate mRNA in the nucleus.

## Notable Publications

Author	Pubmed ID	Journal	Application
Liang Wei Wang	31518366	PLoS Pathog	WB
Andrea Pawellek	28884683	Elife	IF
Stephanie Pei Tung Yiu	35263599	Cell Rep	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:

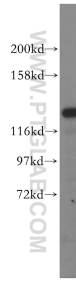
T: 4006900926

E: Proteintech-CN@ptglab.com

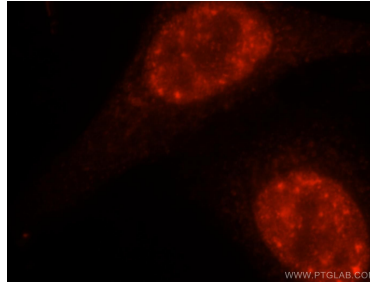
W: ptgcn.com

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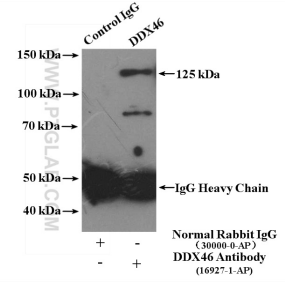
## Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 16927-1-AP (DDX46 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of HepG2 cells, using DDX46 antibody 16927-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



IP result of anti-DDX46 (IP:16927-1-AP, 4ug; Detection:16927-1-AP 1:1000) with NIH/3T3 cells lysate 2000ug.