

For Research Use Only

DDX46 Polyclonal antibody

Catalog Number: 16927-1-AP

4 Publications



Basic Information

Catalog Number:

16927-1-AP

Size:

150ul, Concentration: 350 ug/ml by Nanodrop and 167 ug/ml by Bradford method using BSA as the standard;

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 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

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

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

IP : NIH/3T3 cells,

IHC : human stomach tissue, human ovary cancer tissue

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

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

*** 20ul sizes contain 0.1% BSA

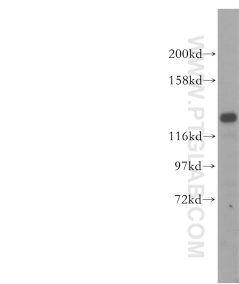
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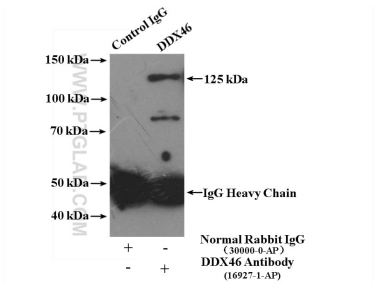
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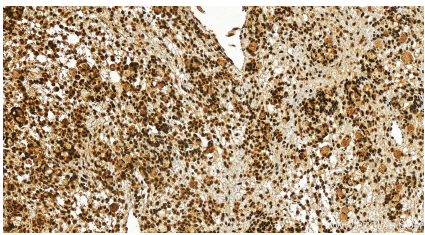
Selected Validation Data



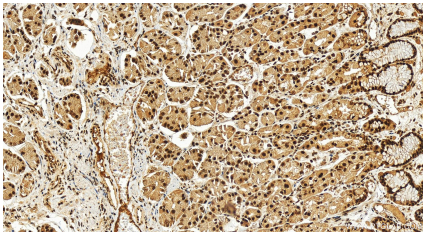
HEK-293 cells were subjected to SDS PAGE followed by western blot with 16927-1-AP (DDX46 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



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



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 16927-1-AP (DDX46 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 16927-1-AP (DDX46 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).