

For Research Use Only

DDX46 Polyclonal antibody

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



Basic Information

Catalog Number: 16927-1-AP	GenBank Accession Number: BC012304	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 350 µg/ml by Nanodrop and 167 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 9879	Recommended Dilutions: WB 1:500-1:3000 IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
Source: Rabbit	Full Name: DEAD (Asp-Glu-Ala-Asp) box polypeptide 46	IF 1:10-1:100
Isotype: IgG	Calculated MW: 1031 aa, 117 kDa	
Immunogen Catalog Number: AG10342	Observed MW: 120-125 kDa	

Applications

Tested Applications: IF, IP, WB, ELISA	Positive Controls: WB: HEK-293 cells, HeLa cells, NIH/3T3 cells
Cited Applications: IF, WB	IP: NIH/3T3 cells,
Species Specificity: human, mouse, rat	IF: HepG2 cells,
Cited Species: human	

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

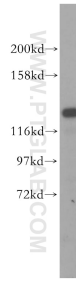
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

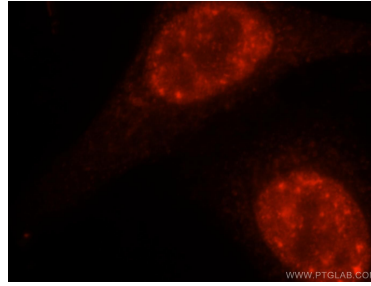
For technical support and original validation data for this product please contact:
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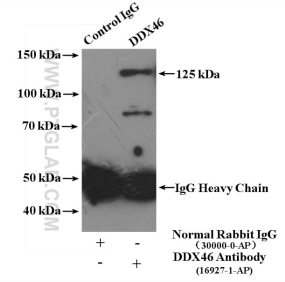
Selected Validation Data



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.