

For Research Use Only

# DDX21 Monoclonal antibody

Catalog Number: 66925-1-Ig



## Basic Information

<b>Catalog Number:</b> 66925-1-Ig	<b>GenBank Accession Number:</b> BC008071	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1300 µg/ml	<b>GeneID (NCBI):</b> 9188	<b>CloneNo.:</b> 1B9C8
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9NR30	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IHC 1:250-1:1000 IF 1:50-1:500
<b>Isotype:</b> IgG1	<b>Full Name:</b> DEAD (Asp-Glu-Ala-Asp) box polypeptide 21	
<b>Immunogen Catalog Number:</b> AG17850	<b>Calculated MW:</b> 783 aa, 87 kDa	
	<b>Observed MW:</b> 90-95 kDa	

## Applications

**Tested Applications:**  
FC, IF/ICC, IHC, WB, ELISA

**Species Specificity:**  
Human

**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 :** HeLa cells, HEK-293 cells, HepG2 cells, Jurkat cells, K-562 cells, HL-60 cells, THP-1 cells

**IHC :** human colon cancer tissue, human colon tissue

**IF :** HepG2 cells,

## Background Information

DDX21 protein belongs to DEAD box protein family which is characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD). As a putative RNA helicase, DDX21 unwinds double-stranded RNA, folds single-stranded RNA and is involved in process including ribosomal RNA biogenesis, RNA editing and general transcription. Interaction of DDX21 and c-Jun was reported in ribosomal RNA processing.

## 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:

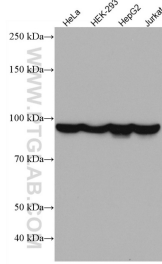
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

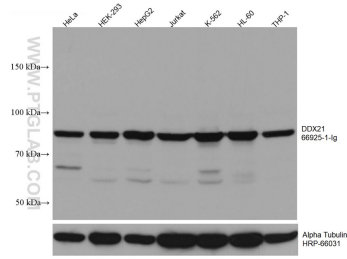
W: [ptgcn.com](http://ptgcn.com)

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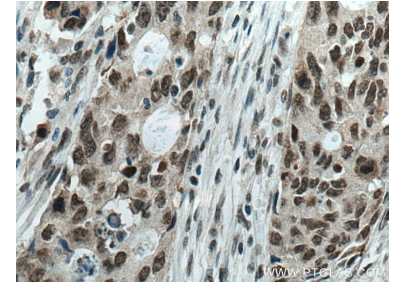
## Selected Validation Data



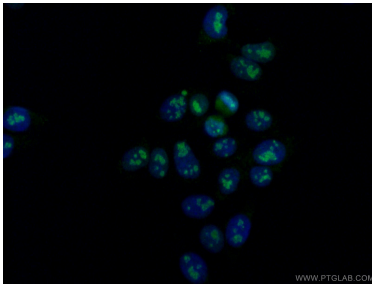
Various lysates were subjected to SDS PAGE followed by western blot with 66925-1-Ig (DDX21 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



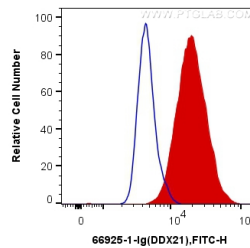
Various lysates were subjected to SDS PAGE followed by western blot with 66925-1-Ig (DDX21 antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 66925-1-Ig (DDX21 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 HepG2 cells using 66925-1-Ig (DDX21 antibody) at dilution of 1:100 and Coralite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



$1 \times 10^6$  HepG2 cells were intracellularly stained with 0.2 ug Anti-Human DDX21 (66925-1-Ig, Clone:1B9C8) and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.2 ug Mouse IgG1 Isotype Control (66360-1-Ig, Clone: T1F8D3F10) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).