

For Research Use Only

# DDX21 Recombinant antibody

Catalog Number: 80932-1-RR

Featured Product



## Basic Information

Catalog Number:

80932-1-RR

Size:

100ul, Concentration: 1000 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0804

GenBank Accession Number:

BC008071

GeneID (NCBI):

9188

UNIPROT ID:

Q9NR30

Full Name:

DEAD (Asp-Glu-Ala-Asp) box polypeptide 21

Calculated MW:

87 kDa

Observed MW:

87 kDa

Purification Method:

Protein A purification

CloneNo.:

5E7

Recommended Dilutions:

WB 1:5000-1:50000

IF/ICC 1:500-1:2000

## Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human

Positive Controls:

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

IF/ICC : 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. DDX21 exists as two isoforms, molecular weight of modified isoform one is about 87 -100 kDa, and the post-modified isoform is about 75-85 kDa.

## 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

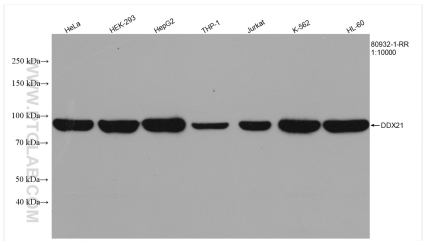
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

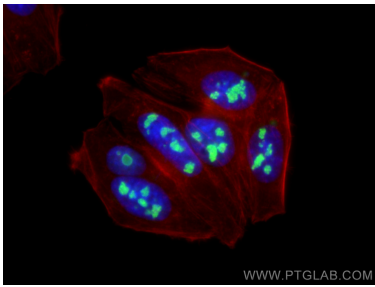
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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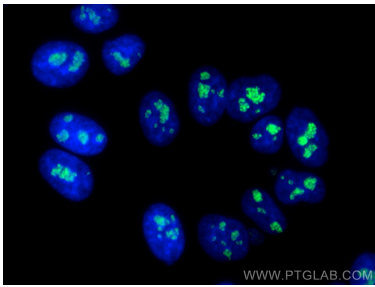
Selected Validation Data



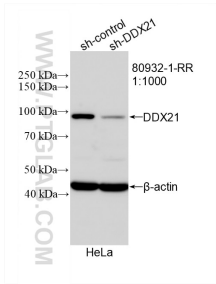
Various lysates were subjected to SDS PAGE followed by western blot with 80932-1-RR (DDX21 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



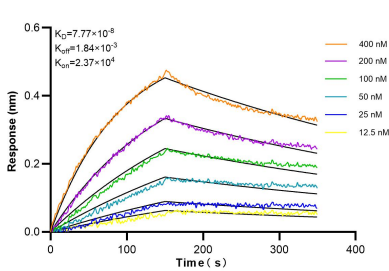
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using DDX21 antibody (80932-1-RR, Clone: 5E7 ) at dilution of 1:1000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using DDX21 antibody (80932-1-RR, Clone: 5E7 ) at dilution of 1:1000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



WB result of DDX21 antibody (80932-1-RR; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-DDX21 transfected HeLa cells.



Biolayer interferometry (BLI) kinetic assays of 80932-1-RR against Human DDX21 were performed. The affinity constant is 77.7 nM.