

For Research Use Only

# DDX39A Recombinant antibody

Catalog Number: 83083-5-RR

Featured Product



## Basic Information

### Catalog Number:

83083-5-RR

### Size:

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

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG2311

### GenBank Accession Number:

BC032128

### GeneID (NCBI):

10212

### UNIPROT ID:

O00148

### Full Name:

DEAD (Asp-Glu-Ala-Asp) box polypeptide 39

### Calculated MW:

427 aa, 49 kDa

### Observed MW:

50 kDa

### Purification Method:

Protein A purification

### CloneNo.:

230375F9

### Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:50-1:500

IF/ICC 1:200-1:800

## Applications

### Tested Applications:

WB, IHC, IF/ICC, FC (Intra), ELISA

### Species Specificity:

human, mouse

**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: Jurkat cells, HEK-293 cells, mouse kidney tissue, HeLa cells, HepG2 cells, Raji cells, A431 cells

IHC: mouse kidney tissue,

IF/ICC: HepG2 cells,

## Background Information

DDX39A, also named the BAT1 protein, contains the nine conserved motifs that characterize the DEAD-box family of RNA-binding proteins. The family includes proteins found in all eukaryotic cell types, with considerable divergence in the sequences lying between the conserved motifs. Some of the motifs were known before the definition of the family and are responsible for binding to mRNA or ATP, or possess ATPase activity. Phylogenetic analyses have grouped BAT1 with the defining member of the DEAD-box family, eIF-4. This is a translation initiation factor required for the dissociation of stem/loop structures in mRNA at the ribosomes.

## 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

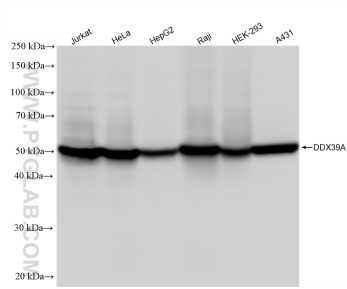
For technical support and original validation data for this product please contact:

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

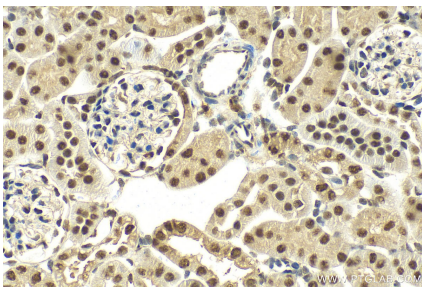
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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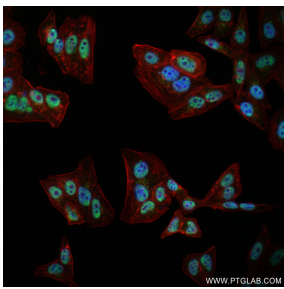
Selected Validation Data



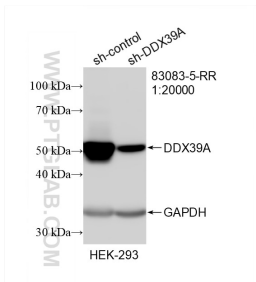
Various lysates were subjected to SDS PAGE followed by western blot with 83083-5-RR (DDX39 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



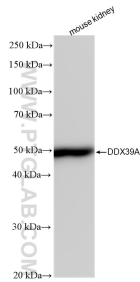
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 83083-5-RR (DDX39A antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



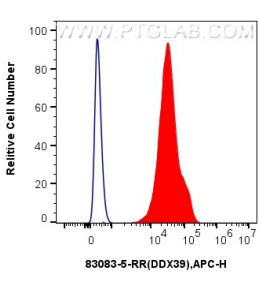
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using DDX39 antibody (83083-5-RR, Clone: 230375F9) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-Phalloidin (red).



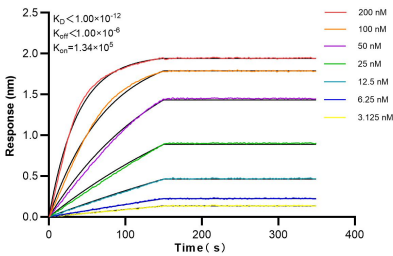
WB result of DDX39A antibody (83083-5-RR; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-DDX39A transfected HEK-293 cells.



Various lysates were subjected to SDS PAGE followed by western blot with 83083-5-RR (DDX39A antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



1x10<sup>6</sup> Jurkat cells were intracellularly stained with 0.25 ug Anti-Human DDX39A (83083-5-RR, Clone:230375F9) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Rabbit IgG control Rabbit PolyAb (30000-O-AP) (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.



Biolayer interferometry (BLI) kinetic assays of 83083-5-RR against Human DDX39A were performed. The affinity constant is below 1 pM.