

For Research Use Only

# DDX23 Recombinant antibody

Catalog Number: 85763-4-RR



## Basic Information

Catalog Number:

85763-4-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0258

GenBank Accession Number:

BC002366

GeneID (NCBI):

9416

UNIPROT ID:

Q9BUQ8

Full Name:

DEAD (Asp-Glu-Ala-Asp) box polypeptide 23

Calculated MW:

96 kDa

Observed MW:

96-100 kDa

Purification Method:

Protein A purification

CloneNo.:

243147B4

Recommended Dilutions:

WB 1:5000-1:50000

IF/ICC 1:250-1:1000

## Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : COLO 320 cells, HeLa cells, HEK-293T cells, K-562 cells, A549 cells, NIH/3T3 cells, fetal human brain tissue

IF/ICC : HeLa cells,

## Background Information

DEAD (Asp-Glu-Ala-Asp) box polypeptide 23 (DDX23, synonyms: prp28, MGC8416, U5-100K) is a member of the DEAD box protein family. DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases. They are implicated in a number of cellular processes involving alteration of RNA secondary structure, such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. Based on their distribution patterns, some members of this family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. DDX23 is a component of the U5 snRNP complex; it may facilitate conformational changes in the spliceosome during nuclear pre-mRNA splicing.

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

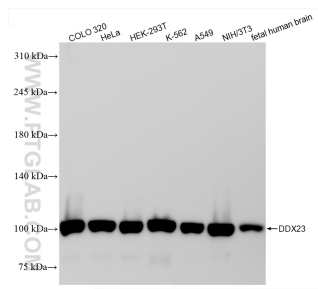
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E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

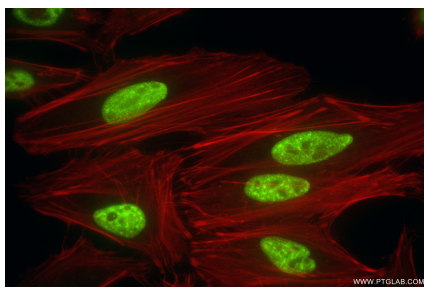
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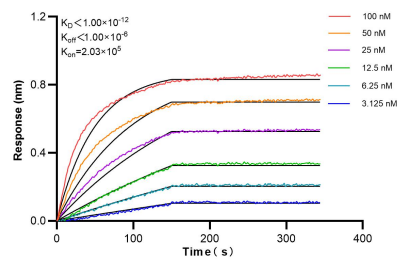
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85763-4-RR (DDX23 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using DDX23 antibody (85763-4-RR, Clone: 243147B4) at dilution of 1:500 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Biolayer interferometry (BLI) kinetic assays of 85763-4-RR against Human DDX23 were performed. The affinity constant is below 1 pM.