

For Research Use Only

DDX46 Recombinant antibody

Catalog Number: 85065-3-RR



Basic Information

Catalog Number:

85065-3-RR

Size:

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

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10342

GenBank Accession Number:

BC012304

GeneID (NCBI):

9879

UNIPROT ID:

Q7L014

Full Name:

DEAD (Asp-Glu-Ala-Asp) box polypeptide 46

Calculated MW:

1031 aa, 117 kDa

Observed MW:

140 kDa

Purification Method:

Protein A purification

CloneNo.:

242715E10

Recommended Dilutions:

WB 1:5000-1:50000

IF/ICC 1:250-1:1000

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : HeLa cells, HEK-293 cells, A549 cells, U-251 cells, NIH/3T3 cells, rat testis tissue

IF/ICC : U-251 cells,

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.

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

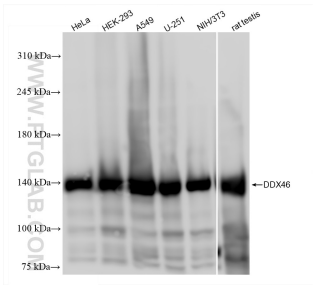
For technical support and original validation data for this product please contact:

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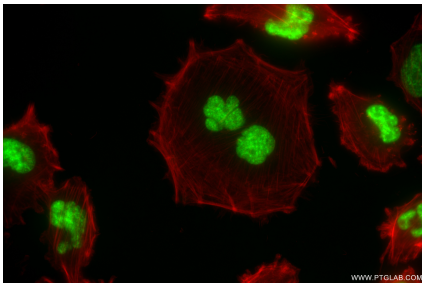
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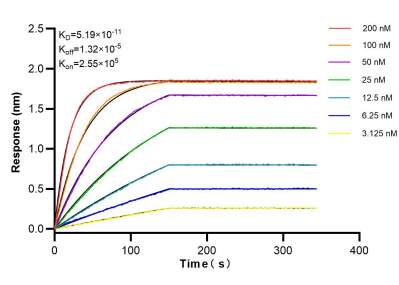
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85065-3-RR (DDX46 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed U-251 cells using DDX46 antibody (85065-3-RR, Clone: 242715E10) 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 85065-3-RR against Human DDX46 were performed. The affinity constant is 51.9 pM.