

For Research Use Only

# DEK Recombinant antibody

Catalog Number: 82880-1-RR

Featured Product



## Basic Information

<b>Catalog Number:</b> 82880-1-RR	<b>GenBank Accession Number:</b> BC035259	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 ug/ml	<b>GeneID (NCBI):</b> 7913	<b>CloneNo.:</b> 230065H2
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P35659	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IHC 1:500-1:2000 IF/ICC 1:500-1:2000
<b>Isotype:</b> IgG	<b>Full Name:</b> DEK oncogene	
<b>Immunogen Catalog Number:</b> AG8225	<b>Calculated MW:</b> 43 kDa	
	<b>Observed MW:</b> 45-50 kDa	

## Applications

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

**Species Specificity:**  
human, rat

**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, Jurkat cells, K-562 cells, HSC-T6 cells, PC-12 cells

**IHC :** human skin cancer tissue,

**IF/ICC :** U2OS cells, HeLa cells

## Background Information

Dek oncogene(DEK) is first recognized in a fusion with CAN nucleoporin protein, and it's a also autoantigen in patients with pquciarticular onset juvenile rheumatoid arthritis. As a site-specific binding protein, DEK may involve in transcriptional regulation and signal transduction. Analysis by agarose gel electrophoresis, DEK showed to reduce the efficiency with which chromatin is replicated. It's one of the first components of the splicing complex, which remains associate with spliced exons dependent on prior splicing of pre-mRNA.

## 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:

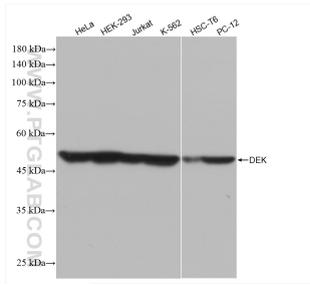
T: 4006900926

E: Proteintech-CN@ptglab.com

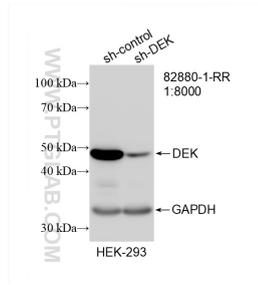
W: ptgcn.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

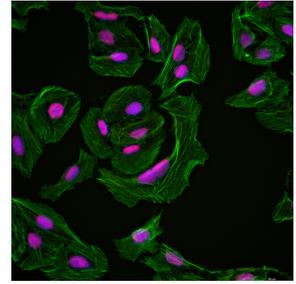
## Selected Validation Data



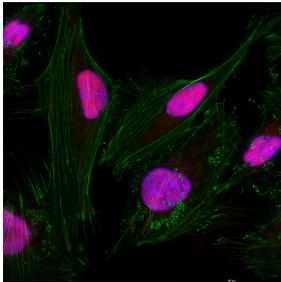
Various lysates were subjected to SDS PAGE followed by western blot with 82880-1-RR (DEK antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



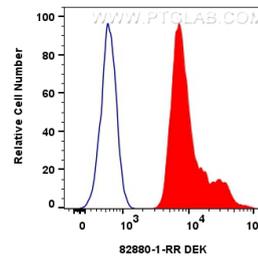
WB result of DEK antibody (82880-1-RR; 1:8000; incubated at room temperature for 1.5 hours) with sh-Control and sh-DEK transfected HEK-293 cells.



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using DEK antibody (82880-1-RR, Clone: 230065H2) at dilution of 1:1000 and Multi-rAb CoraLite® Plus 594-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR004).

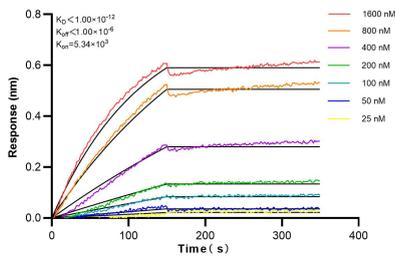


Immunofluorescent analysis of (4% PFA) fixed HeLa cells using DEK antibody (82880-1-RR, Clone: 230065H2) at dilution of 1:1000 and Multi-rAb CoraLite® Plus 594-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR004).



Immunohistochemical analysis of paraffin-embedded skin cancer slide using 82880-1-RR (DEK antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

$1 \times 10^6$  HeLa cells were intracellularly stained with 0.25  $\mu$ g DEK Recombinant antibody (82880-1-RR, Clone:230065H2) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.25  $\mu$ g Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Biolayer interferometry (BLI) kinetic assays of 82880-1-RR against Human DEK were performed. The affinity constant is below 1 pM.