

For Research Use Only

# CDCA7L Recombinant antibody

Catalog Number: 83682-4-RR



## Basic Information

<b>Catalog Number:</b> 83682-4-RR	<b>GenBank Accession Number:</b> BC009352	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 55536	<b>CloneNo.:</b> 240639A3
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q96GN5	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Isotype:</b> IgG	<b>Full Name:</b> cell division cycle associated 7-like	
<b>Immunogen Catalog Number:</b> AG10944	<b>Calculated MW:</b> 454 aa, 52 kDa	
	<b>Observed MW:</b> 52 kDa	

## Applications

<b>Tested Applications:</b> WB, FC (Intra), ELISA	<b>Positive Controls:</b> WB : A549 cells, HEK-293T cells, HeLa cells, K-562 cells, MCF-7 cells
<b>Species Specificity:</b> human	

## Background Information

Cell division cycle-associated 7-like protein (CDCA7L) is also known as HR1 and JPO2 and belongs to the JPO protein family. CDCA7L is identified as a target gene of c-Myc and is frequently dysregulated in multiple cancers. CDCA7L can complement the c-Myc transformation-defective mutant W135E and potentiate Myc-mediated transformation (PMID: 24141559, PMID: 37140023). CDCA7L translocates from cytoplasm to nucleus under dexamethasone induction. CDCA7L is widely expressed. CDCA7L has 4 isoforms produced by alternative splicing (refer to UniProt).

## 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:

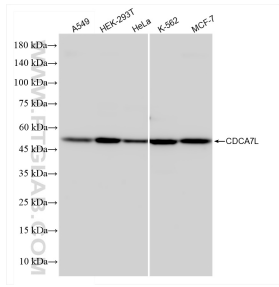
T: 4006900926

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

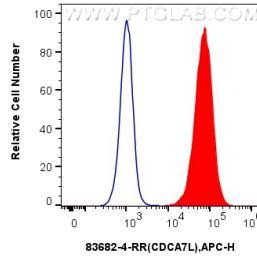
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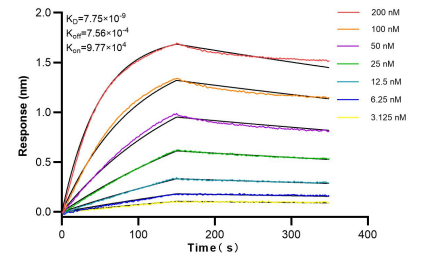
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83682-4-RR (CDCA7L antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



1x10<sup>6</sup> A431 cells were intracellularly stained with 0.25 ug CDCA7L Recombinant antibody (83682-4-RR, Clone:240639A3) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Bioluminescence resonance energy transfer (BRET) kinetic assays of 83682-4-RR against Human CDCA7L were performed. The affinity constant is 7.75 nM.