

For Research Use Only

CDCA7L Recombinant antibody

Catalog Number: 83682-4-RR



Basic Information

Catalog Number: 83682-4-RR	GenBank Accession Number: BC009352	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 55536	CloneNo.: 240639A3
Source: Rabbit	UNIPROT ID: Q96GN5	Recommended Dilutions: WB 1:500-1:2000
Isotype: IgG	Full Name: cell division cycle associated 7-like	
Immunogen Catalog Number: AG10944	Calculated MW: 454 aa, 52 kDa	
	Observed MW: 52 kDa	

Applications

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

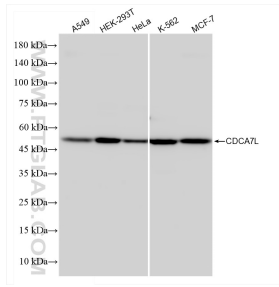
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

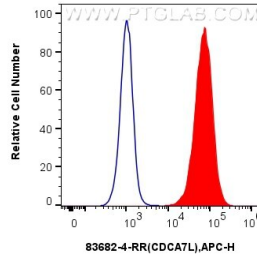
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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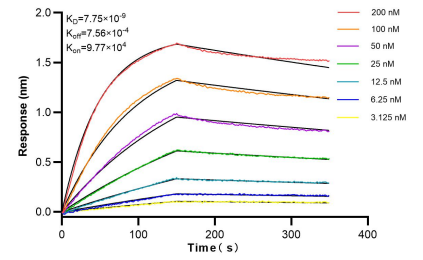
Selected Validation Data



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.



1×10^6 A431 cells were intracellularly stained with 0.25 μ g CDCA7L Recombinant antibody (83682-4-RR, Clone:240639A3) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25 μ g 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.