

For Research Use Only

Cyclin B1 Recombinant antibody

Catalog Number:85895-3-RR



Basic Information

Catalog Number: 85895-3-RR	GenBank Accession Number: BC006510	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 891	CloneNo.: 250227C12
Source: Rabbit	UNIPROT ID: P14635	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: cyclin B1	
Immunogen Catalog Number: AG29426	Calculated MW: 48 kDa	
	Observed MW: 55-60 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HeLa cells, Jurkat cells, K-562 cells
Species Specificity: human	

Background Information

Cyclin B1 is a regulatory protein involved in mitosis. The gene product complexes with p34(cdc2) to form the maturation-promoting factor (MPF). Two alternative transcripts have been found, a constitutively expressed transcript and a cell cycle-regulated transcript, that is expressed predominantly during G2/M phase of the cell cycle. The different transcripts result from the use of alternate transcription initiation sites. The antibody is specific to CCNB1. We got a 55-60 kDa band in western blotting maybe due to phosphorylation.

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

*** 20ul sizes contain 0.1% BSA

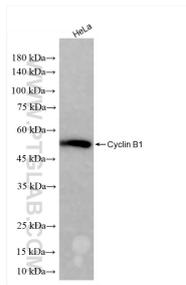
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

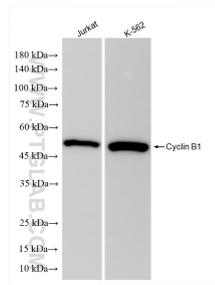
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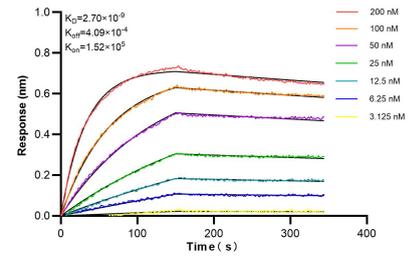
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 85895-3-RR (CCNB1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 85895-3-RR (CCNB1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Bi-layer interferometry (BLI) kinetic assays of 85895-3-RR against Human Cyclin B1 were performed. The affinity constant is 2.70 nM.