

For Research Use Only

Cyclin B1 Recombinant monoclonal antibody

Catalog Number: 85895-1-RR



Basic Information

Catalog Number:

85895-1-RR

Size:

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

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG29426

GenBank Accession Number:

BC006510

GeneID (NCBI):

891

UNIPROT ID:

P14635

Full Name:

cyclin B1

Calculated MW:

48 kDa

Observed MW:

55-60 kDa

Purification Method:

Protein A purification

CloneNo.:

250227H1

Recommended Dilutions:

WB: 1:2000-1:16000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, rat

Positive Controls:

WB : HT-29 cells, HeLa cells, K-562 cells, C6 cells

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

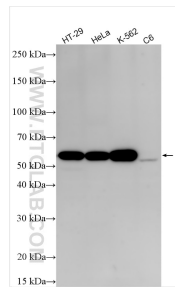
For technical support and original validation data for this product please contact:

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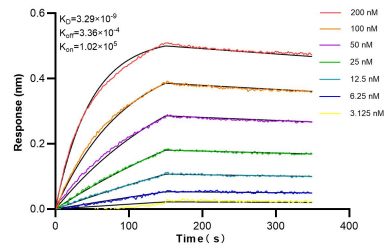
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85895-1-RR (Cyclin B1 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 85895-1-RR against Human Cyclin B1 were performed. The affinity constant is 3.29 nM.