For Research Use Only

cyclin B1 Monoclonal antibody, PBS Only

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Catalog Number:67686-1-PBS Featured Product

Basic Information

Catalog Number:
67686-1-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG29444

GenBank Accession Number:
BC006510

GeneID (NCBI):
891

UNIPROT ID:
P14635

Full Name:
cyclin B1

Calculated MW:
48 kDa

Observed MW:
55 kDa

Purification Method:
Protein A purification

CloneNo.:
1F3G11

Applications

Tested Applications:
WB, IF, FC, IHC, ELISA

Species Specificity:
Human, mouse, rat

Background Information

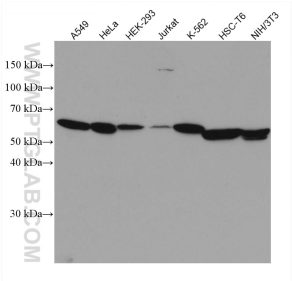
Cyclin B1 is a regulatory protein involved in mitosis. The gene product complexes with p34(cdc2) to form the maturation-promoting factor (MPF). Two alternative transcripts have been found, a constitutively expressed transcript and a cell cycle-regulated transcript, that is expressed predominantly during 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

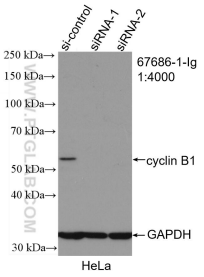
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS only
Aliquoting is unnecessary for -20°C storage

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

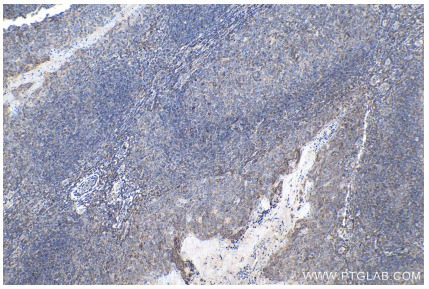
Selected Validation Data



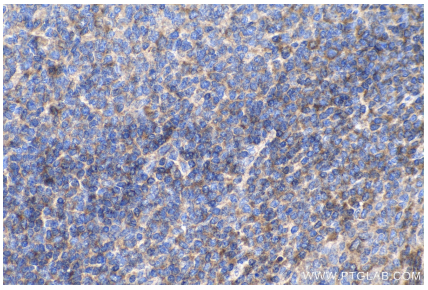
Various lysates were subjected to SDS PAGE followed by western blot with 67686-1-Ig (cyclin B1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67686-1-PBS in a different storage buffer formulation.



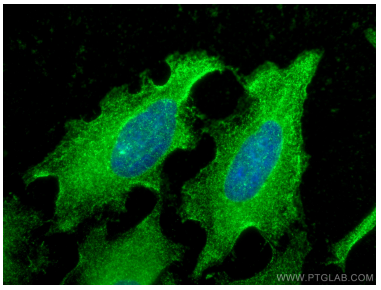
WB result of cyclin B1 antibody (67686-1-Ig; 1:3200; incubated at room temperature for 1.5 hours) with sh-Control and sh-cyclin B1 transfected HeLa cells. This data was developed using the same antibody clone with 67686-1-PBS in a different storage buffer formulation.



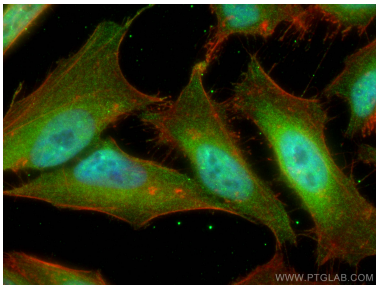
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 67686-1-Ig (cyclin B1 antibody) at dilution of 1:1600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67686-1-PBS in a different storage buffer formulation.



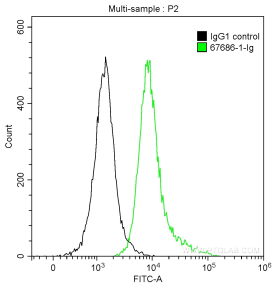
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 67686-1-Ig (cyclin B1 antibody) at dilution of 1:1600 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67686-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using cyclin B1 antibody (67686-1-Ig, Clone: 1F3G11) at dilution of 1:300 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 67686-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using cyclin B1 antibody (67686-1-Ig, Clone: 1F3G11) at dilution of 1:650 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red). This data was developed using the same antibody clone with 67686-1-PBS in a different storage buffer formulation.



1X10^6 Jurkat cells were intracellularly stained with 0.2 ug Anti-Human cyclin B1 (67686-1-Ig, Clone:1F3G11) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (green), or 0.2 ug Mouse IgG1 Isotype Control (66360-1-Ig, Clone: T1F8D3F10) (black). Cells were fixed with 90% MeOH . This data was developed using the same antibody clone with 67686-1-PBS in a different storage buffer formulation.