

For Research Use Only

# Cyclin B2 Monoclonal antibody, PBS Only



Catalog Number: 67726-1-PBS

Featured Product

## Basic Information

Catalog Number:

67726-1-PBS

Size:

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

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG16329

GenBank Accession Number:

BC105086

GeneID (NCBI):

9133

UNIPROT ID:

O95067

Full Name:

cyclin B2

Calculated MW:

398 aa, 45 kDa

Observed MW:

45 kDa

Purification Method:

Protein A purification

CloneNo.:

2G8B7

## Applications

Tested Applications:

WB, IHC, IF/ICC, IF-P, Indirect ELISA

Species Specificity:

human, mouse

## Background Information

Cyclin B2 (CCNB2) is a member of cyclin family proteins, which regulate the activities of cyclin dependent kinases (CDKs) and different cyclins function spatially and temporally in specific phases of the cell cycle. Cyclin B2 serves a key role in progression of G2/M transition. Cyclin B2 has been found to be up-regulated in a variety of human cancers, such as adrenocortical carcinoma, breast carcinoma, colorectal adenocarcinoma, pituitary adenoma and gastric cancer. The aberrant expression of Cyclin B2 deregulates spindle checkpoints in the cell cycle and results in chromosomal instability (CIN), one of the signature phenotypes of most cancers. Moreover, serum circulating Cyclin B2 mRNA expression has been found increased in cancer patients and associated with cancer stage and metastasis status.

## Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

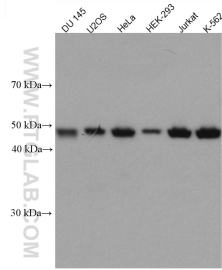
For technical support and original validation data for this product please contact:

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

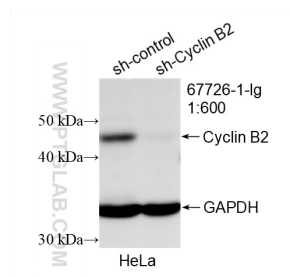
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

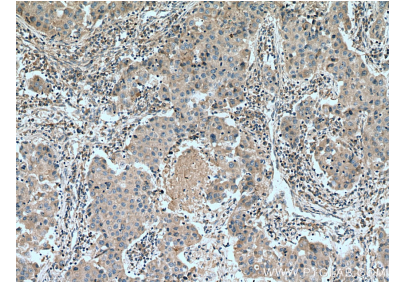
## Selected Validation Data



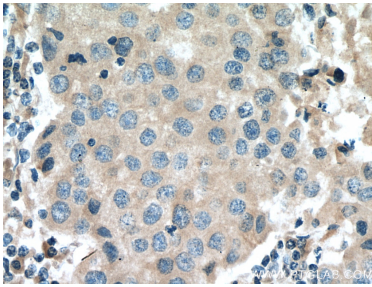
Various lysates were subjected to SDS PAGE followed by western blot with 67726-1-Ig (CCNB2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67726-1-PBS in a different storage buffer formulation.



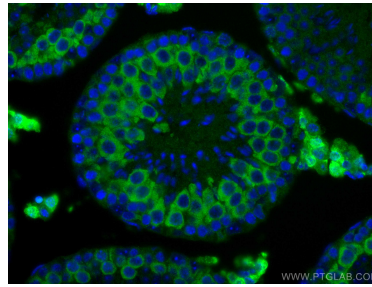
WB result of Cyclin B2 antibody (67726-1-Ig; 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-Cyclin B2 transfected HeLa cells. This data was developed using the same antibody clone with 67726-1-PBS in a different storage buffer formulation.



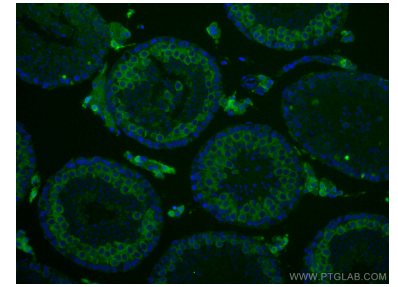
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67726-1-Ig (Cyclin B2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67726-1-PBS in a different storage buffer formulation.



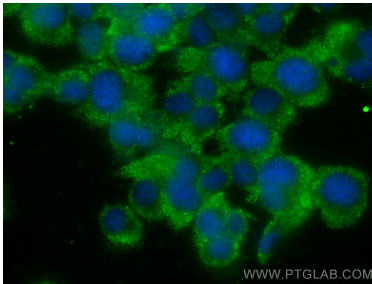
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67726-1-Ig (Cyclin B2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67726-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed mouse testis tissue using Cyclin B2 antibody (67726-1-Ig, Clone: 2G8B7) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 67726-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed mouse testis tissue using Cyclin B2 antibody (67726-1-Ig, Clone: 2G8B7) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 67726-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed PC-12 cells using Cyclin B2 antibody (67726-1-Ig, Clone: 2G8B7) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 67726-1-PBS in a different storage buffer formulation.