

For Research Use Only

# Cyclin A2 Monoclonal antibody, PBS Only



Catalog Number: 66391-1-PBS

Featured Product

## Basic Information

Catalog Number:

66391-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG12765

GenBank Accession Number:

BC104783

GeneID (NCBI):

890

UNIPROT ID:

P20248

Full Name:

cyclin A2

Calculated MW:

432 aa, 49 kDa

Observed MW:

52 kDa

Purification Method:

Protein A purification

CloneNo.:

1C6C11

## Applications

Tested Applications:

WB, Indirect ELISA, IHC, IF

Species Specificity:

human

## Background Information

CCNA2 belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle. Cyclins function as regulators of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. In contrast to cyclin A1, which is present only in germ cells, this cyclin is expressed in all tissues tested. CCNA2 binds and activates CDC2 or CDK2 kinases, and thus promotes both cell cycle G1/S and G2/M transitions.

## Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

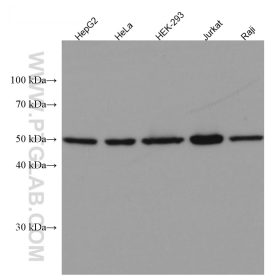
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

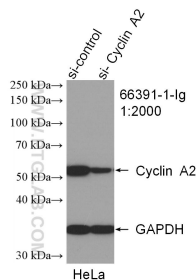
W: [ptgcn.com](http://ptgcn.com)

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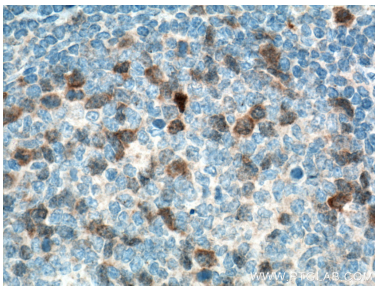
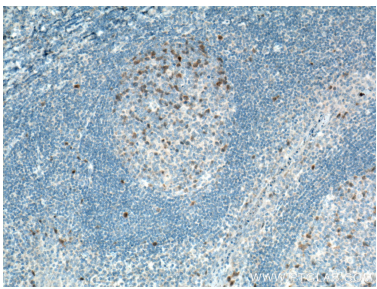
## Selected Validation Data



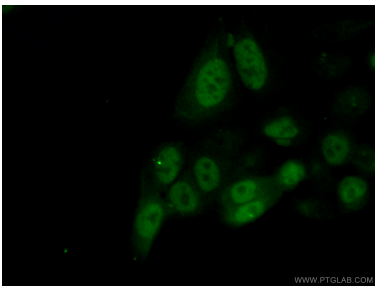
Various lysates were subjected to SDS PAGE followed by western blot with 66391-1-Ig (Cyclin A2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66391-1-PBS in a different storage buffer formulation.



WB result of Cyclin A2 antibody (66391-1-Ig; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Cyclin A2 transfected HeLa cells. This data was developed using the same antibody clone with 66391-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66391-1-Ig (Cyclin A2 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66391-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 66391-1-Ig (Cyclin A2 antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66391-1-PBS in a different storage buffer formulation.