

## Cdk2 Rabbit mAb

Catalog No: #48670

Package Size: #48670-1 50ul #48670-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

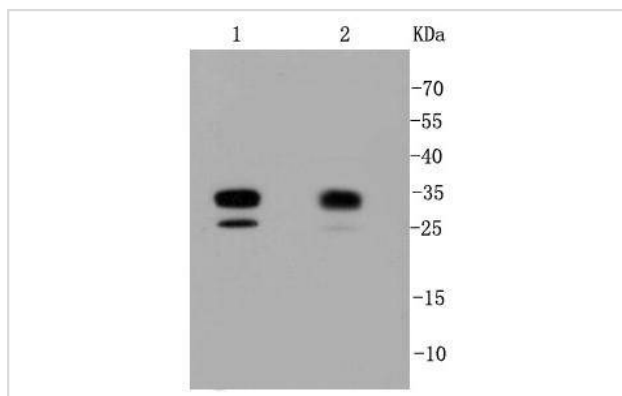
## Description

Product Name	Cdk2 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SR01-01
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	Cdc2 related protein kinase antibody cdc2-related protein kinase antibody CDC28 antibody CDC2A antibody Cdk 2 antibody CDK1 antibody CDK2 antibody CDK2_HUMAN antibody CDKN2 antibody Cell division kinase 2 antibody Cell division protein kinase 2 antibody Cyclin dependent kinase 2 antibody cyclin dependent kinase 2-alpha antibody Cyclin-dependent kinase 2 antibody kinase Cdc2 antibody MPF antibody p33 protein kinase antibody p33(CDK2) antibody
Accession No.	Swiss-Prot#:P24941
Uniprot	P24941
GeneID	1017;
Calculated MW	33 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

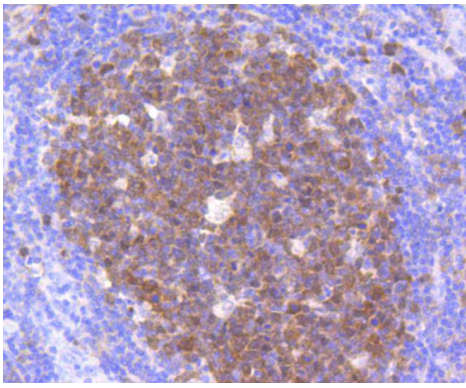
## Application Details

WB: 1:1,000-5,000IHC: 1:50-1:200ICC: 1:50-1:200

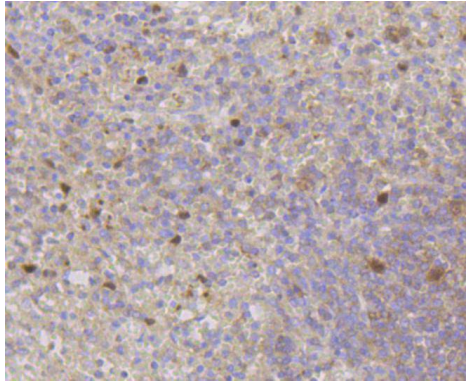
## Images



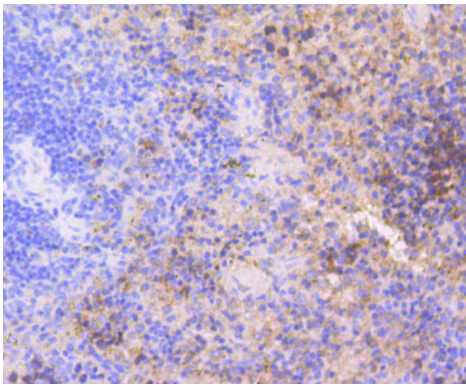
Western blot analysis of Cdk2 on different cell lysates using anti-Cdk2 antibody at 1/1,000 dilution. Positive control: Lane 1: A549 Lane 2: F9



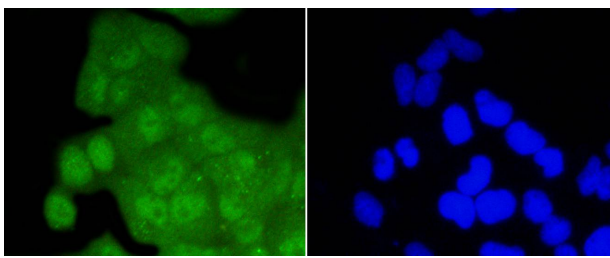
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-Cdk2 antibody. Counter stained with hematoxylin.



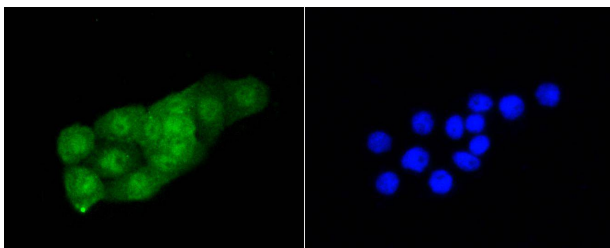
Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-Cdk2 antibody. Counter stained with hematoxylin.



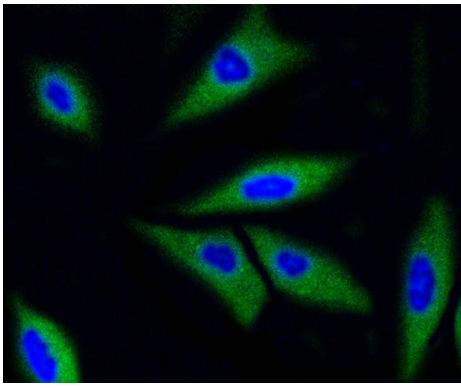
Immunohistochemical analysis of paraffin-embedded mouse spleen tissue using anti-Cdk2 antibody. Counter stained with hematoxylin.



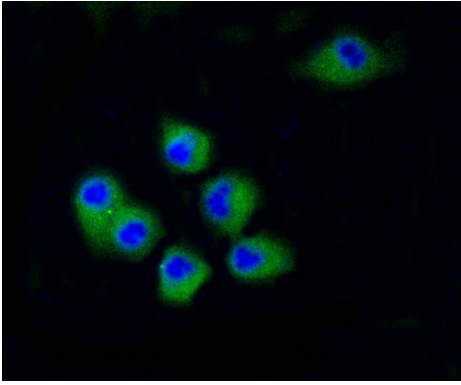
ICC staining Cdk2 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Cdk2 in CRC cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Cdk2 in SH-SY-5Y cells (green). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Cdk2 in N2A cells (green). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

## Background

Cyclin-dependent kinase 2 (p33CDK2) is an important component of the cell cycle machinery. It acts at the G1-S transition to promote the E2F transcriptional program and the initiation of DNA synthesis, and modulates G2 progression; controls the timing of entry into mitosis/meiosis by controlling the subsequent activation of cyclin B/CDK1 by phosphorylation, and coordinates the activation of cyclin B/CDK1 at the centrosome and in the nucleus. Inhibition of CDK2-cyclin complexes can also be attributed to association with p27 Kip1 and p21 Waf1/Cip1.

## References

Note: This product is for in vitro research use only