Leader in Biomolecular Solutions for Life Science

# Phospho-CDK2-T160 Rabbit mAb

## Catalog No.: AP1364

Recombinant | 2 Publications

www.abclonal.com

## Basic Information

**Observed MW**
34kDa

**Calculated MW**
34kDa

**Category**
Monoclonal Antibodies

**Applications**
WB, IF/ICC, IF-P, IHC-P, ELISA

**Cross Reactivity**
Human, Mouse, Rat

**Clone No.**
ARC57167

## Background

This gene encodes a member of a family of serine/threonine protein kinases that participate in cell cycle regulation. The encoded protein is the catalytic subunit of the cyclin-dependent protein kinase complex, which regulates progression through the cell cycle. Activity of this protein is especially critical during the G1 to S phase transition. This protein associates with and regulated by other subunits of the complex including cyclin A or E, CDK inhibitor p21Cip1 (CDKN1A), and p27Kip1 (CDKN1B). Alternative splicing results in multiple transcript variants.

## Recommended Dilutions

| | |
|---|---|
| **WB** | 1:2000 - 1:6000 |
| **IF/ICC** | 1:200 - 1:600 |
| **IF-P** | 1:50 - 1:200 |
| **IHC-P** | 1:50 - 1:200 |

**ELISA**
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

**Gene ID**
1017

**Swiss-Prot**
P24941

**Immunogen**
Synthetic peptide. This information is considered to be commercially sensitive.

**Synonyms**
CDKN2; p33(CDK2); Phospho-CDK2-T160

## Contact


400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn


## Product Information

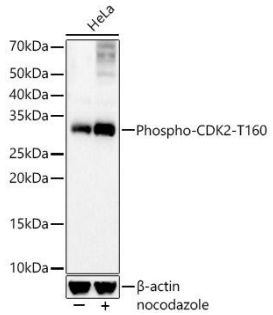
**Source**
Rabbit

**Isotype**
IgG

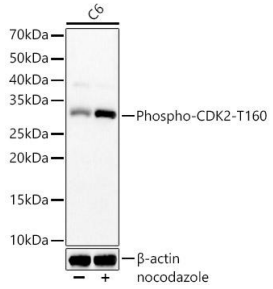
**Purity**
Affinity purification

**Storage**
Store at -20℃

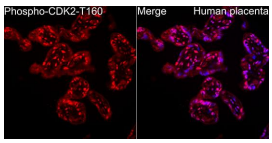
## Validation Data



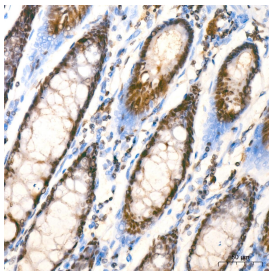

Western blot analysis of lysates from HeLa cells, using Phospho-CDK2-T160 Rabbit mAb (AP1364) at 1:5000 dilution. HeLa cells were treated with nocodazole (50 ng /ml) at 37℃ for 20 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.



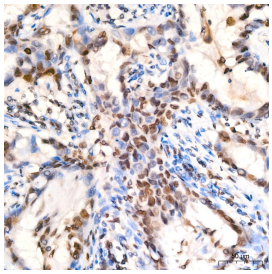

Western blot analysis of lysates from C6 cells, using Phospho-CDK2-T160 Rabbit mAb (AP1364) at 1:5000 dilution. C6 cells were treated with nocodazole (50 ng/ml) at 37℃ for 20 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 180s.



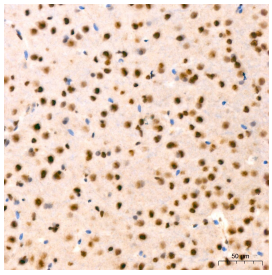

Immunofluorescence analysis of paraffin-embedded human placenta using Phospho-CDK2-T160 Rabbit mAb (AP1364) at dilution of 1:50 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



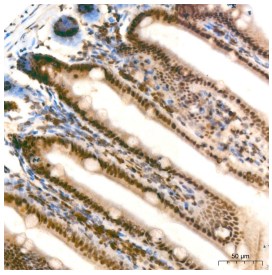
Immunohistochemistry analysis of paraffin-embedded Human colon tissue using Phospho-CDK2-T160 Rabbit mAb (AP1364) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



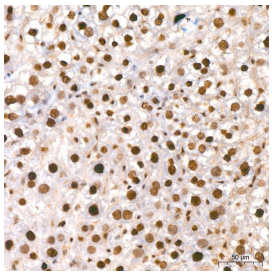
Immunohistochemistry analysis of paraffin-embedded Human lung cancer tissue using Phospho-CDK2-T160 Rabbit mAb (AP1364) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



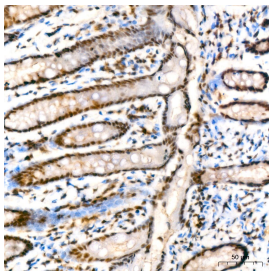
Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using Phospho-CDK2-T160 Rabbit mAb (AP1364) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



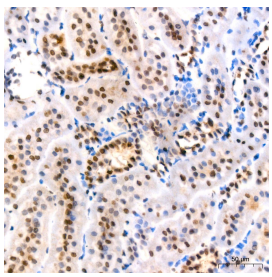
Immunohistochemistry analysis of paraffin-embedded Mouse colon tissue using Phospho-CDK2-T160 Rabbit mAb (AP1364) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



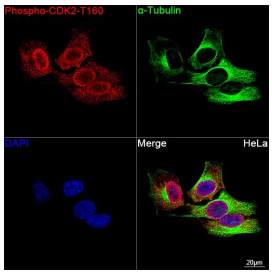
Immunohistochemistry analysis of paraffin-embedded Mouse liver tissue using Phospho-CDK2-T160 Rabbit mAb (AP1364) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat colon tissue using Phospho-CDK2-T160 Rabbit mAb (AP1364) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat kidney tissue using Phospho-CDK2-T160 Rabbit mAb (AP1364) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.




Confocal imaging of HeLa cells using Phospho-CDK2-T160 Rabbit mAb (AP1364, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) (AS037, dilution 1:800) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.