

Phospho-CDK2-T160 Rabbit pAb

Catalog No.: AP0325SP **4 Publications**

Basic Information

Observed MW

34 kDa

Calculated MW

34 kDa/30 kDa

Category

Primary antibody

Applications

WB,IF-P,IHC-P,ELISA

Cross-Reactivity

Human, Mouse, Rat

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 1:1000 - 1:3000**IF-P** 1:50 - 1:400**IHC-P** 1:200 - 1:800

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions ($\geq 1:10000$) a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID

1017

Swiss Prot

P24941

Immunogen

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

Synonyms

CDKN2; p33(CDK2)

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS, pH 7.3, containing 50% glycerol. Preserved with Proclin300 or sodium azide.

May contain 0.05% BSA as specified on the Certificate of Analysis.

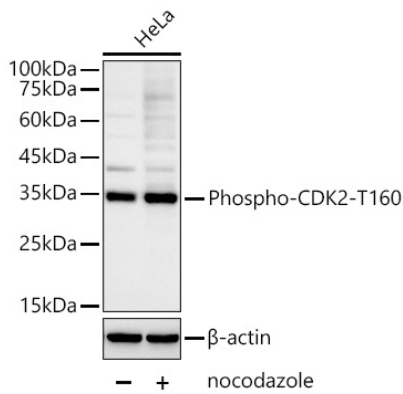
Contact

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Validation Data



Western blot analysis of lysates from HeLa cells using Phospho-CDK2-T160 Rabbit pAb (AP0325SP) at 1:3000 dilution incubated overnight at 4°C. HeLa cells were treated with Nocodazole (100ng/ml) at 37°C for 16 hours.

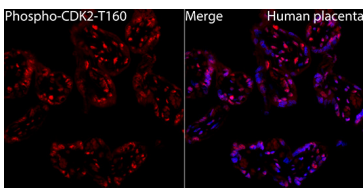
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 30 µg per lane.

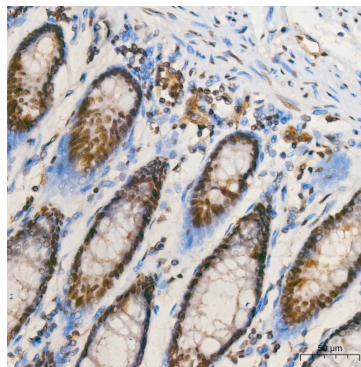
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

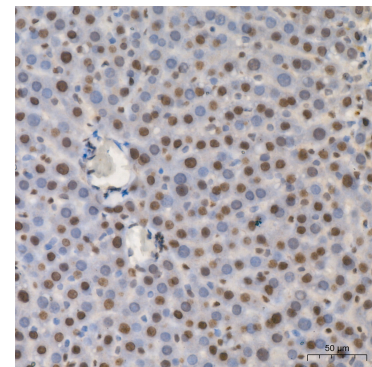
Exposure time: 90 s.



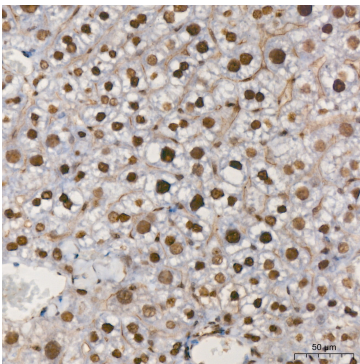
Immunofluorescence analysis of paraffin-embedded Human placenta tissue using Phospho-CDK2-T160 Rabbit pAb (AP0325SP) at a dilution of 1:50 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining.



Immunohistochemistry analysis of paraffin-embedded Human colon tissue using Phospho-CDK2-T160 Rabbit pAb (AP0325SP) 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 pAb (AP0325SP) 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 liver tissue using Phospho-CDK2-T160 Rabbit pAb (AP0325SP) 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.