

Phospho-CDK2-Y15 Rabbit mAb

Catalog No.: AP1005 **Recombinant** **1 Publications**

Basic Information

Observed MW

34 kDa

Calculated MW

34 kDa

Category

Primary antibody

Applications

WB, ELISA

Cross-Reactivity

Human, Mouse

CloneNo number

ARC1550

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 - 1:10000

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-Y15

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

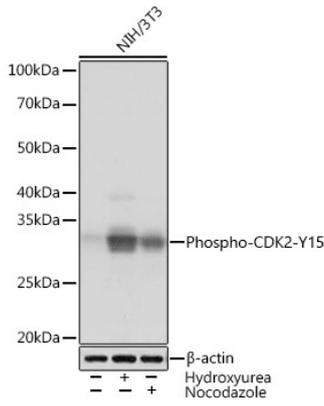
Affinity purification

Storage

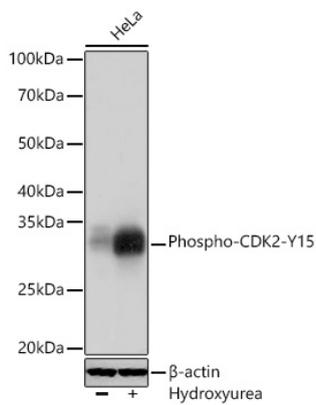
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Western blot analysis of lysates from NIH/3T3 cells using Phospho-CDK2-Y15 Rabbit mAb (AP1005) at 1:1000 dilution. NIH/3T3 cells were treated with Hydroxyurea (4 Mm) at 37°C for 20 hours or treated with Nocodazole (100 ng/mL) at 37°C for 24 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% BSA.
Detection: ECL Basic Kit (RM00020).
Exposure time: 3 s.



Western blot analysis of lysates from HeLa cells using Phospho-CDK2-Y15 Rabbit mAb (AP1005) at 1:1000 dilution incubated overnight at 4°C. HeLa cells were treated with Hydroxyurea (4 Mm) at 37°C for 20 hours at 37°C for 24 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3 % nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 3 s.