

Phospho-CDK1/CDK2/CDK3/CDK5-Y15 Rabbit mAb

Catalog No.: AP1632 **Recombinant**

Basic Information

Observed MW

34 kDa

Calculated MW

28-35 kDa

Category

Primary antibody

Applications

WB, ELISA

Cross-Reactivity

Human, Mouse

CloneNo number

ARC4223

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. For high-ratio antibody dilutions (≥1:10000) a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID

983/1017/1018/1020

Swiss Prot

P06493/P24941/Q00526/Q00535

Immunogen

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

Synonyms

CDC2; CDC28A; P34CDC2

Contact

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

Product Information

Source

Rabbit

Isotype

IgG

Purification

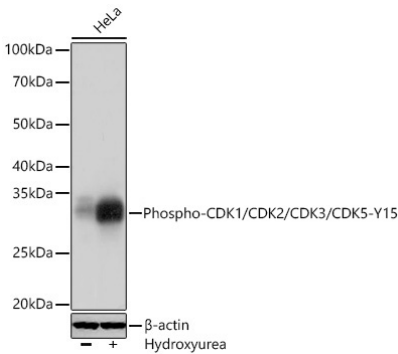
Affinity purification

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 HeLa cells using Phospho-CDK1/CDK2/CDK3/CDK5-Y15 Rabbit mAb (AP1632) at 1:1000 dilution incubated overnight at 4°C. HeLa cells were treated with Hydroxyurea (4 mM) at 37°C for 24 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: 3 s.