Leader in Biomolecular Solutions for Life Science

Phospho-CDK1-Y15 Rabbit mAb

Catalog No.: AP1350

Recombinant

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Basic Information

Observed MW
34 kDa

Calculated MW
34 kDa

Category
Monoclonal Antibodies

Applications
WB, ELISA

Cross Reactivity
Human, Mouse, Rat

Clone No.
ARC55443

Background

The protein encoded by this gene is a member of the Ser/Thr protein kinase family. This protein is a catalytic subunit of the highly conserved protein kinase complex known as M-phase promoting factor (MPF), which is essential for G1/S and G2/M phase transitions of eukaryotic cell cycle. Mitotic cyclins stably associate with this protein and function as regulatory subunits. The kinase activity of this protein is controlled by cyclin accumulation and destruction through the cell cycle. The phosphorylation and dephosphorylation of this protein also play important regulatory roles in cell cycle control. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Recommended Dilutions

WB	1:5000 - 1:40000

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

Immunogen Information

Gene ID
983

Swiss-Prot
P06493

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

Synonyms
CDC2; CDC28A; P34CDC2; Phospho-CDK1-Y15

Contact

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

Product Information

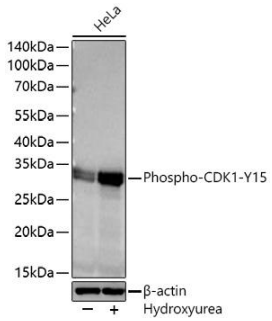
Source
Rabbit

Isotype
IgG

Purity
Affinity purification

Storage
Store at -20℃

Validation Data



Western blot analysis of lysates from HeLa cells using Phospho-CDK1-Y15 Rabbit mAb (AP1350) at 1:10000 dilution incubated overnight at 4℃. HeLa cells were treated with Hydroxyurea (4 mM) at 37℃ for 20 hours after serum starvation overnight
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: 30 s.

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Please visit http://abclonal.com for a complete listing of recommended products.