# Phospho-CDK1/2/3-T14 Rabbit mAb

www.abclonal.com

ABclonal

Catalog No.: AP1138 Recombinant

### **Basic Information**

### **Observed MW**

34 kDa

#### **Calculated MW**

34 kDa

### Category

Primary antibody

### **Applications**

WB,ELISA

### **Cross-Reactivity**

Human, Mouse, Rat

#### CloneNo number

ARC1545

# **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. [provided by RefSeq, Mar 2009]

# **Recommended Dilutions**

**WB** 1:1000 - 1:3000

**ELISA** 

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

# Immunogen Information

Gene ID Swiss Prot

983/1017/1018

### **Immunogen**

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

P06493/P24941/Q00526

### **Synonyms**

CDC2; CDC28A; P34CDC2; Phospho-CDK1/2/3-T14

## **Contact**

	400-999-6126
<b>×</b>	cn.market@abclonal.com.cn
	www.abclonal.com.cn

### **Product Information**

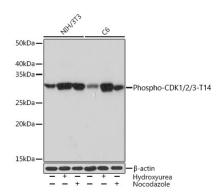
SourceIsotypePurificationRabbitIgGAffinity purification

#### 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 various lysates using Phospho-CDK1/2/3-T14 Rabbit mAb (AP1138) at 1:1000 dilution incubated overnight at 4°C. Both NIH/3T3 cells and C6 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.

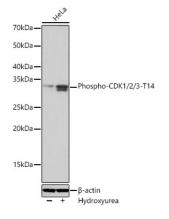
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

Blocking buffer: 3% BSA.

Detection: ECL Basic Kit (RM00020).

Exposure time: 30 s.



Western blot analysis of lysates from HeLa cells using Phospho-CDK1/2/3-T14 Rabbit mAb (AP1138) at 1:1000 dilution incubated overnight at 4°C. HeLa cells were treated with Hydroxyurea (4 Mm) at 37°C for 20 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.