

# Anti-CDK1/CDC2 (Phospho-Thr14) Polyclonal Antibody



Catalog No.	Size
A100064-01	50 µl
A100064-02	100 µl

<b>Specificity</b>	Anti-CDK1/CDC2 (Phospho-Thr14) (Human Mouse Rat)
<b>Source</b>	Rabbit Polyclonal
<b>Application</b>	WB ELISA IF
<b>Form</b>	Liquid, 1 mg/ml

## Specificity and Sensitivity

**Swiss-Prot No.:** P24941

**Other Names:** CDC28, CDC2A, CDK1, Cell division control protein 2 homolog, Cyclin-dependent kinase 1, EC 2.7.11.22, EC 2.7.11.23, MPF, kinase Cdc2, p34 protein kinase

## Specificity and Sensitivity

CDK1/CDC2 (Phospho-Thr14) antibody detects endogenous levels of CDK1/CDC2 only when phosphorylated at threonine 14.

## Source and Purification

The antiserum was produced against synthesized phosphopeptide derived from human CDK1/CDC2 around the phosphorylation site of threonine 14 (E-G-T<sup>P</sup>-Y-G).

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

## Application Notes

Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows:

WB: 1:500~1:3000 IF: 1:100~1:500

ELISA: 1:1000

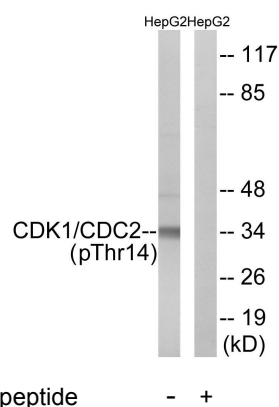
## Storage Buffer

Rabbit IgG in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

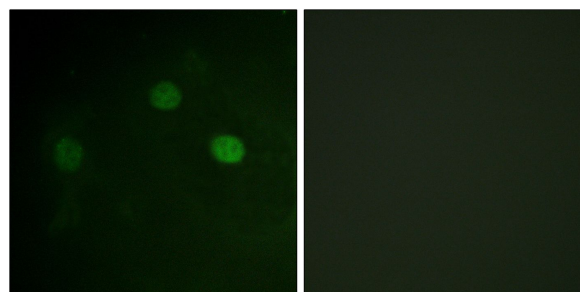
## Storage Instructions

Stable for 1 year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing. Aliquot will be stable at 4°C for 3 months.

## Images



Western blot analysis of extracts from HepG2 cells, treated with Forskolin (40nM, 30mins), using CDK1/CDC2 (Phospho-Thr14) antibody.



Immunofluorescence analysis of COS7 cells, using CDK1/CDC2 (Phospho-Thr14) antibody.