

Phospho-CDK1/CDC2 (Thr14) Ab

[References\(1\)](#) [Images\(4\)](#)

Cat.#: AF3236
Size:

Concn.: ~1mg/ml
Source: Rabbit

Mol.Wt.: 34kDa
Clonality: Polyclonal

Application:

WB 1:500-1:2000, IF/ICC 1:100-1:500

*The optimal dilutions should be determined by the end user.

Reactivity:

Human, Mouse, Rat

Storage:

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.

Purification:

The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.

Immunogen:

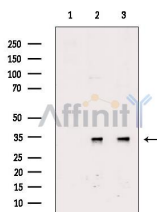
A synthesized peptide derived from human CDK1/CDC2 around the phosphorylation site of Thr14.

Uniprot:

P06493

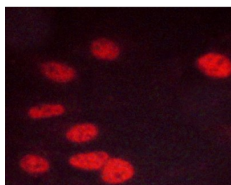
Description:

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.



Western blot analysis of extracts from various samples, using Phospho-CDK1/CDC2 (Thr14) Ab.

Lane 1: Heat-shock treated HeLa cells, blocked with antigen-specific peptides,
Lane 2: Heat-shock treated HeLa cells,
Lane 3: H2O2 treated HUVEC cells.



AF3236 staining C6 cells by ICC/IF. Cells were fixed with PFA and permeabilized in 0.1% saponin prior to blocking in 10% serum for 45 minutes at 37°C. The primary Ab was diluted 1/400 and incubated with the sample for 1 hour at 37°C. A Alexa Fluor 594 conjugated goat polyclonal to rabbit IgG (H+L), diluted 1/600 was used as secondary Ab.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk, 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking,

overnight.

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