# CDC2(Phospho-Tyr15) Antibody

Catalog No: #11244



Package Size: #11244-1 50ul #11244-2 100ul #11244-4 25ul

### Overview

Product Name	CDC2(Phospho-Tyr15) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide-KLH
Target Name	CDC2
Modification	Phospho-Tyr15
Alternative Names	CDC28; CDC2A; CDK1; Cyclin-dependent kinase 1;

## **Application Details**

#### Predicted MW: 34kd

Western blotting: 1:500~1:1000

## Images



Western blot analysis of extracts from Hela cells untreated(lane 1) or treated with UV(lane 2) using CDC2(Phospho-Tyr15) Antibody #11244.



Western blot analysis of extracts from 293 cells, treated with Hydroxyurea or calf intestinal phosphatase (CIP), using CDC2 (Phospho-Tyr15) Antibody #11244.



Western blot analysis of extracts from 293 cells, treated with Hydroxyurea or calf intestinal phosphatase (CIP), using CDC2 (Phospho-Tyr15) Antibody #11244.

### Descriptions

Immunogen	Peptide sequence around phosphorylation site of tyrosine 15 (G-T-Y(p)-G-V) derived from Human CDC2.
Specificity	The antibody detects endogenous level of CDC2 only when phosphorylated at tyrosine 15.
Purifiction	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates.
	Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho
	specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02%
	sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.
Accession NO.	Swiss-Prot: P06493NCBI Protein: NP_001163877.1

## **Related Information**

Plays a key role in the control of the eukaryotic cell cycle. It is required in higher cells for entry into S-phase and mitosis. p34 is a component of the kinase complex that phosphorylates the repetitive C-terminus of RNA polymerase II. Y Gu, et al. (1992) EMBO J. 11(11): 3995

#### **Published Papers**

Philip M. KUBARA, Sophie KERN?EIS-GOLSTEYN, Aur?elie STUD?ENY el at., Human cells enter mitosis with damaged DNA after treatment with pharmacological concentrations of genotoxic agents., Biochem. J., 446:373B"C381(2012)

#### PMID:22686412

Qi Yao, Hui Li, Bing-Qian Liu el at., SUMOylation-regulated Protein Phosphorylation, Evidence from Quantitative Phosphoproteomics Analyses., THE JOURNAL OF BIOLOGICAL CHEMISTRY, 286(31):27342-27349(2013)

#### PMID:21685386

Note: This product is for in vitro research use only and is not intended for use in humans or animals.