

## CDC2(Phospho-Tyr15) Antibody

Catalog No: #11244



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

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

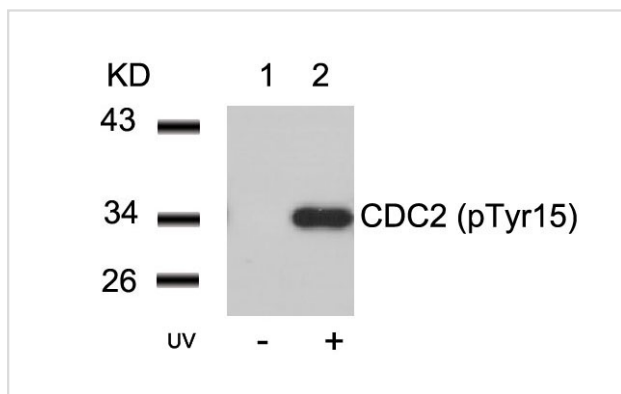
Product Name	CDC2(Phospho-Tyr15) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of CDC2 only when phosphorylated at tyrosine 15.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 15 (G-T-Y(p)-G-V) derived from Human CDC2.
Target Name	CDC2
Modification	Phospho-Tyr15
Other Names	CDC28; CDC2A; CDK1; Cyclin-dependent kinase 1;
Accession No.	Swiss-Prot: P06493NCBI Protein: NP_001163877.1
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL 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	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

## Application Details

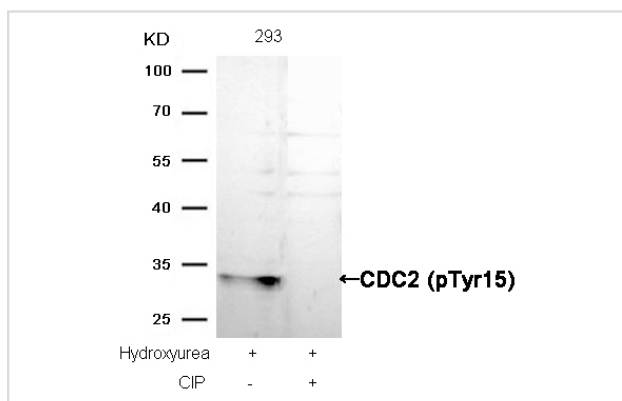
Predicted MW: 34kd

Western blotting: 1:500~1:1000

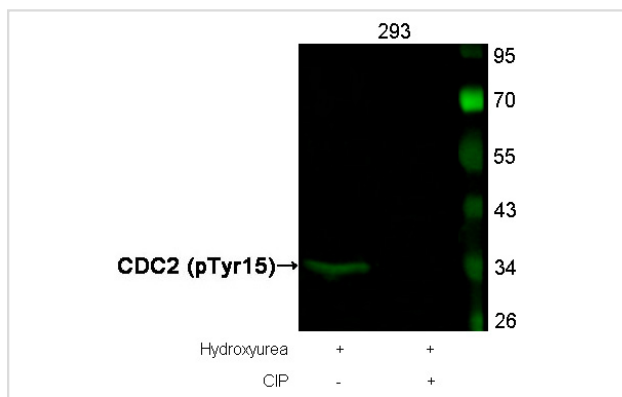
## Images



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.

## Background

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.