

## Cdc2(Phospho Thr161) Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP14843
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human CDC2 around the phosphorylation site of Thr161. AA range:131-180
<b>Mol wt</b>	34095
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, IHC-p, IF, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Cyclin-dependent kinase 1
<b>Synonyms</b>	Cyclin-dependent kinase 1; CDK1; CDC2; CDC28A; CDKN1; P34CDC2; Cyclin-dependent kinase 1; CDK1; Cell division control protein 2 homolog; Cell division protein kinase 1; p34 protein kinase

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### 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.

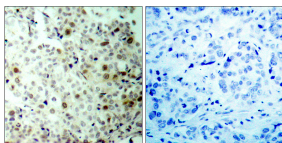
### Recommended Dilution

IHC-p: 1: 100 - 1: 300

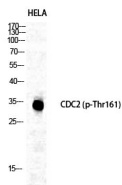
ELISA: 1: 5000

Not yet tested in other applications.

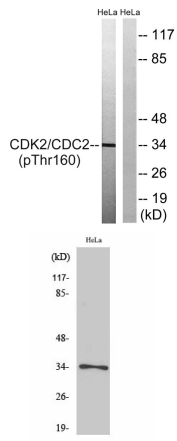
### Images



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using CDC2 (Phospho-Thr161) Antibody. The picture on the right is blocked with the phospho peptide.



Western Blot analysis of various cells using Phospho-Cdc2 (T161) Polyclonal Antibody diluted at 1:1000



Western Blot analysis of HeLa cells using Phospho-Cdc2 (T161) Polyclonal Antibody diluted at 1:1000

Western blot analysis of lysates from HeLa cells, using CDC2 (Phospho-Thr161) Antibody. The lane on the right is blocked with the phospho peptide.

### Storage

-20°C for 1 year

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