

## Rabbit Anti-CDK1 Polyclonal Antibody

CPB-776RH Rabbit(CDK1)

Lot. No. (See product label)

### PRODUCT INFORMATION

<b>Product Overview</b>	Rabbit Anti-CDK1 Polyclonal Antibody
<b>Antigen Description</b>	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.
<b>specificity</b>	The antibody detects endogenous level of CDK1 only when phosphorylated at tyrosine 15.
<b>Target</b>	CDK1
<b>Immunogen</b>	Peptide sequence around phosphorylation site of tyrosine 15(G-T-Y(p)-G-V) derived from Human CDK1.
<b>Host</b>	Rabbit
<b>Species</b>	Human
<b>Cross Reactivity</b>	Human; Mouse; Rat
<b>conjugation</b>	N/A
<b>Applications</b>	WB

### PACKAGING

<b>Format</b>	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.
<b>Storage</b>	Store at -20°C/1 year

### ANTIGEN GENE INFORMATION

<b>Gene Name</b>	<a href="#">CDK1 cyclin-dependent kinase 1 [ Homo sapiens ]</a>
<b>Official Symbol</b>	CDK1
<b>Synonyms</b>	CDK1; cyclin-dependent kinase 1; CDC2, cell division cycle 2, G1 to S and G2 to M; CDC28A; p34 protein kinase; cell cycle controller CDC2; cell division protein kinase 1; cell division control protein 2 homolog; cell division cycle 2, G1 to S and G2 to M; CDC2; P34CDC2; MGC111195; DKFZp686L20222;
<b>GeneID</b>	<a href="#">983</a>
<b>mRNA Refseq</b>	<a href="#">NM_001170406</a>
<b>Protein Refseq</b>	<a href="#">NP_001163877</a>
<b>MIM</b>	<a href="#">116940</a>
<b>UniProt ID</b>	P06493
<b>Chromosome Location</b>	10q21.2

**Pathway**

APC/C-mediated degradation of cell cycle proteins, organism-specific biosystem; APC/C:Cdc20 mediated degradation of Cyclin B, organism-specific biosystem; APC/C:Cdc20 mediated degradation of mitotic proteins, organism-specific biosystem; ARMS-mediated activation, organism-specific biosystem; Activated TLR4 signalling, organism-specific biosystem; Activation of APC/C and APC/C:Cdc20 mediated degradation of mitotic proteins, organism-specific biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem;

**Function**

ATP binding; Hsp70 protein binding; RNA polymerase II carboxy-terminal domain kinase activity; cyclin binding; cyclin-dependent protein kinase activity; cyclin-dependent protein kinase activity; histone kinase activity; nucleotide binding; protein binding; protein kinase activity;