

## Product datasheet for **TA374545**

### CDK1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IP, WB
Recommended Dilution:	WB,1:200 - 1:1000 IP,1:50 - 1:100
Reactivity:	Human, Mouse, Rat
Modifications:	Unmodified
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 208-258 of human CDK1 (NP_001777.1).
Formulation:	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	27kDa/34kDa
Gene Name:	cyclin-dependent kinase 1
Database Link:	<a href="#">Entrez Gene 983 Human P06493</a>



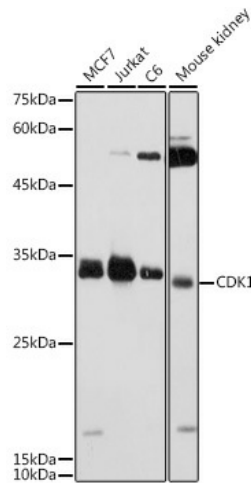
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**Background:**

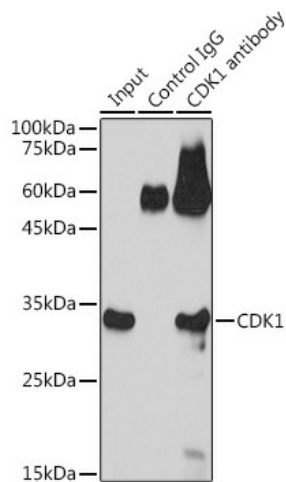
The protein encoded by this gene is a member of the Ser/Thr protein kinase family. This protein is a catalytic subunit of the highly conserved protein kinase complex known as M-phase promoting factor (MPF), which is essential for G1/S and G2/M phase transitions of eukaryotic cell cycle. Mitotic cyclins 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.

**Synonyms:**

Cdc2; Cdc2a; p34

**Product images:**

Western blot analysis of extracts of various cell lines, using CDK1 antibody (TA374545) at 1:1000 dilution. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Basic Kit. | Exposure time: 10s.



Immunoprecipitation analysis of 600ug extracts of C6 cells using 3ug CDK1 antibody (TA374545). Western blot was performed from the immunoprecipitate using CDK1 antibody (TA374545) at a dilution of 1:1000.