

## Anti-Phospho-CDK1 (Thr14) Polyclonal Antibody 2

### Product Details

|                   |   |
|-------------------|---|
| Ig Type:          | IgG   |
| Reactivity:       | Human   |
| Conjugation:      | Unconjugated  |
| Molecular Weight: | Actual: 34 kDa.   |
| Purification:     | The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen. |

### Applications

|              |                 |
|--------------|-----------------|
| Application: | WB              |
| Recommended  | WB: 1:1000-2000 |

### Properties

|                      |   |
|----------------------|---|
| Stability & Storage: | Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. |
| Shipping:            | Shipping with blue ice.   |

### Antigen Details

|                  |   |
|------------------|---|
| Immunogen:       | A synthesized phosphopeptide: human cdc2 around the phosphorylation site of Thr14 |
| Antigen Species: | Human   |
| Uniprot ID:      | P06493  |
| Synonyms:        | p-CDK1 (T14);CDK1 (p-T14);CDK1 (p-Thr14);p-CDK1 (Thr14)                           |

### Research Background

cyclin dependent kinase 1(CDK1) Homo sapiens 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. [provided by RefSeq, Mar 2009],

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481