

**Product Name: Phospho-CDK1/2 (Thr14) Rabbit  
Monoclonal Antibody  
Catalog #: AMRe02841**

---

## Summary

|                        |   |
|------------------------|---|
| <b>Production Name</b> | Phospho-CDK1/2 (Thr14) Rabbit Monoclonal Antibody |
| <b>Description</b>     | Recombinant Rabbit Monoclonal antibody            |
| <b>Host</b>            | Rabbit  |
| <b>Application</b>     | WB,IHC-P,IP                                       |
| <b>Reactivity</b>      | Human   |

## Performance

|                     |  |
|---------------------|--|
| <b>Conjugation</b>  | Unconjugated   |
| <b>Modification</b> | Phosphorylated   |
| <b>Isotype</b>      | IgG  |
| <b>Clonality</b>    | Monoclonal Antibody  |
| <b>Form</b>         | Liquid   |
| <b>Storage</b>      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| <b>Buffer</b>       | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA    |
| <b>Purification</b> | Affinity Purified  |

## Immunogen

|                          |                  |
|--------------------------|------------------|
| <b>Gene Name</b>         | CDK1/CDK2/       |
| <b>Alternative Names</b> | CDKN2; p33(CDK2) |
| <b>Gene ID</b>           | 983/1017         |
| <b>SwissProt ID</b>      | P06493/P24941    |

## Application

|                         |  |
|-------------------------|--|
| <b>Dilution Ratio</b>   | WB: 1/500-1/1000 IHC: 1/50-1/100 IP: 1/20  |
| <b>Molecular Weight</b> | Calculated MW: 34 kDa; Observed MW: 34 kDa |

**Product Name: Phospho-CDK1/2 (Thr14) Rabbit Monoclonal Antibody**  
**Catalog #: AMRe02841**

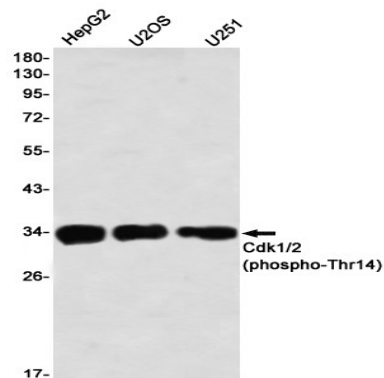
## Background

Cdk2 is a member of the Ser/Thr protein kinase family. It is highly similar to the gene products of *S. cerevisiae* cdc28, and *S. pombe* cdc2. Cdk2 is closely related to cdc2 (cdk1) which has proved useful as a marker of proliferation. Cdk1 and Cdk2 are catalytic subunits 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.

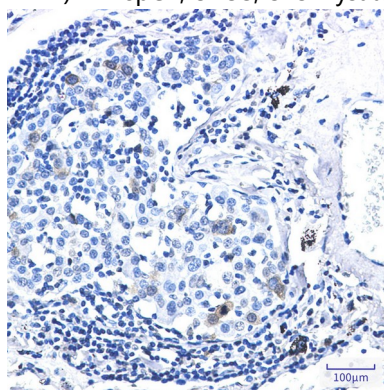
## Research Area

Cell Biology

## Image Data



Western blot analysis of Cdk1/2 (Phospho-Thr14) in HepG2, U2OS, U251 lysates using Phospho-CDK1/2 (Thr14) antibody.



Immunohistochemistry analysis of paraffin-embedded Human lung cancer using Cdk1/2 (Phospho-Thr14) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

## Note

For research use only.