

## Anti-CDK1 Rabbit pAb

Purified Rabbit Polyclonal Antibody

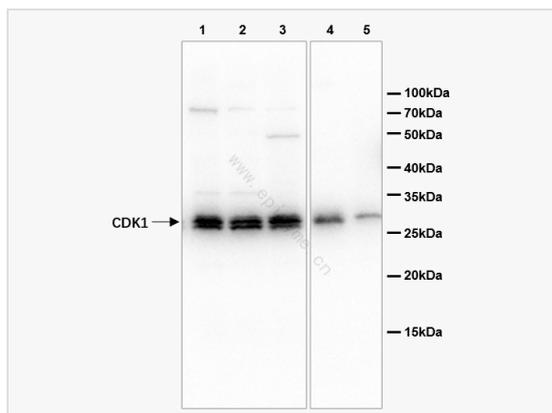
Catalog # P013043

### Product Information

|             |   |
|-------------|---|
| Application | WB, IHC-P/IF (Tissue-P), ELISA  |
| Reactivity  | Mouse, Human  |
| Dilution    | WB 1:1,000~1:2,000; IHC-P 1:200; IF 1:100~1:200   |
| Host        | Rabbit  |
| Clonality   | Polyclonal  |
| Isotype     | IgG   |
| Label       | Unconjugated  |
| Immunogen   | Peptide sequence around derived from human CDK1.  |
| Format      | Affinity purified polyclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.                     |
| Storage     | Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage. |
| Precautions | Anti-CDK1 antibody is for research use only and not for use in diagnostic or therapeutic procedures.                        |

### Protein Information

|               |   |
|---------------|---|
| Synonyms      | CDK1, CDC2, CDC28A, CDKN1, P34CDC2, Cyclin-dependent kinase 1, CDK1, Cell division control protein 2 homolog, Cell division protein kinase 1, p34 protein kinase.   |
| Calculated MW | Calculated MW: 34 kDa; Observed MW: 30 kDa  |
| Uniprot ID    | P06493  |
| Gene ID       | 983   |
| 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. |



Western Blot - Anti-CDK1 Rabbit pAb

All lanes: P013043 at 1:1,000 dilution

Lane 1: HCT116 (human colorectal carcinoma epithelial cell) whole cell lysates

Lane 2: T24 (human bladder cancer epithelial cell) whole cell lysates

Lane 3: HepG2 (human hepatocellular carcinoma epithelial cell) whole cell lysates

Lane 4: Balb/c mouse small intestine whole tissue lysates

Lane 5: Balb/c mouse kidney whole tissue lysates

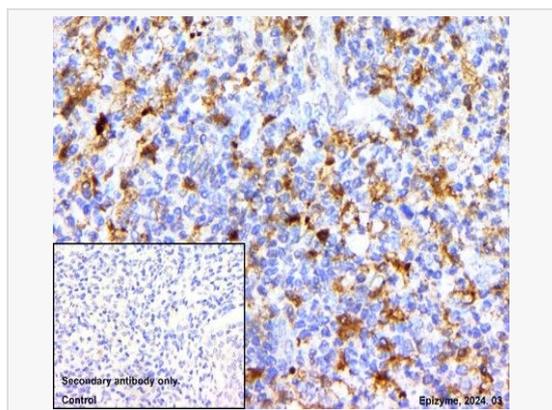
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 34 kDa

Observed band size: 30 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-CDK1 Rabbit pAb

Sample: Paraformaldehyde-fixed, paraffin embedded human cervical cancer tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: P013043 at 1:200 dilution

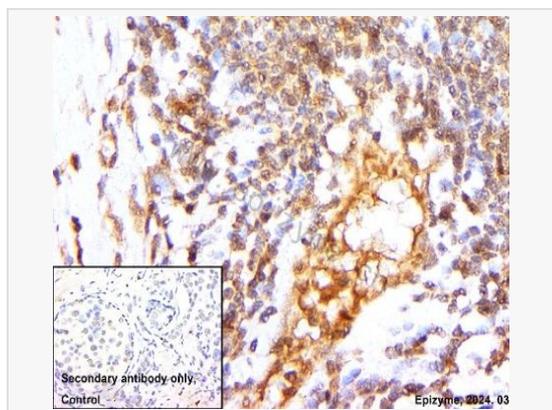
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-CDK1 Rabbit pAb

Sample: Paraformaldehyde-fixed, paraffin embedded human breast cancer tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: P013043 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.