BioVision 01/17 For research use only

## Phospho-Cdk2 (Thr160) Antibody

**CATALOG NO**: A1261-100 100 μl

ALTERNATE NAMES: Cyclin-dependent kinase 2, Cell division protein kinase 2, p33

protein kinase, CDK2, CDKN2

**AMOUNT**: 100 μl

IMMUNOGEN: Synthesized peptide derived from human Cdk2 around the

phosphorylation site of T160.

MOL. WEIGHT 34 kDa

HOST/ISOTYPE: Rabbit IgG

SPECIES REACTIVITY: Human, Mouse, Rat

SPECIFICITY: Phospho-Cdk2 (T160) Polyclonal Antibody detects endogenous

levels of Cdk2 protein only when phosphorylated at T160.

**PURIFICATION:** The antibody was affinity-purified from rabbit serum by affinity-

chromatography using specific immunogen.

FORM: Liquid

**FORMULATION:** PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

STORAGE CONDITIONS: Store at -20°C. Avoid repeated freeze/thaw cycles.

**DESCRIPTION:** Serine/threonine-protein kinase involved in the control of the cell

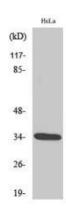
cycle; essential for meiosis, but dispensable for mitosis. Phosphorylates CTNNB1, USP37, p53/TP53, NPM1, CDK7, RB1, BRCA2, MYC, NPAT, EZH2. Interacts with cyclins A, B1, B3, D, or E. Triggers duplication of centrosomes and DNA. Acts at the G1-S transition to promote the E2F transcriptional program and the initiation of DNA synthesis, and modulates G2 progression; controls the timing of entry into mitosis/meiosis by controlling the subsequent activation of cyclin B/CDK1 by phosphorylation, and coordinates the activation of cyclin B/CDK1 at the centrosome and

in the nucleus.

**APPLICATION:** WB 1:500-1:2000; IHC 1:100-1:300; ELISA 1:5000

Note: This information is only intended as a guide. The

optimal dilutions must be determined by the user.



Western Blot analysis of HeLa cells using Phospho-Cdk2 (T160) Polyclonal Antibody

## **RELATED PRODUCTS:**

- Phospho Alpha-synuclein (Tyr125) Antibody (Cat. No. A1219-100)
- Phospho (Ser31) Tyrosine Hydroxylase Antibody (Cat. No. 3613-200)
- Phospho (Ser19) Tyrosine Hydroxylase Antibody (Cat. No. 3612-100)
- Phospho (Tyr1472) NMDA NR2B Antibody (Cat. No. 3616-100)
- Phospho CREB (Ser129) Antibody (Cat. No. A1222-100)
- Phospho GAP43 (Ser41) Antibody (Cat. No. A1220-100)
- Phospho-Akt2 (Ser474) Antibody (Cat. No. A1246-100)
- Phospho-Akt1 (Ser246) Antibody (Cat. No. A1245-100)
- Phospho-MNK1 (Thr250) Antibody (Cat. No. A1159-50)
- Phospho-NIFK (Thr234) Antibody (Cat. No. A1157-50)

FOR RESEARCH USE ONLY! Not to be used on humans.

