

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.