

PRODUCT DATA SHEET



Bioworld Technology, Inc.

p-Cdk2 (T160) Antibody

Cat No.: BS4037

Host: Rabbit

Reactivity: Human, Mouse, Rat

BACKGROUND

Cell cycle progression is dependent on the sequential activation of cyclin-dependent kinases (Cdks). For full activity, the cell cycle control protein Cdk2 requires phosphorylation of a conserved residue, Threonine 160, carried out by Cdk-activating kinase 1. The kinase associated phosphatase (KAP) is a human dual specificity protein phosphatase that dephosphorylates Cdk2 on Threonine 160 in a cyclin dependent manner. KAP binds to Cdk2 and dephosphorylates Threonine 160 when the associated cyclin subunit is degraded or dissociates. Fluorescence measurements show that Threonine 160 phosphorylation increases the affinity of Cdk2 for both histone substrates and ATP and decreases its affinity for ADP.

PRODUCT

1 mg/ml in Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2.

PURIFICATION & PURITY

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

APPLICATIONS

WB: 1:500 ~ 1:1000

IHC: 1:50 ~ 1:200 (Recommended Dilutions)

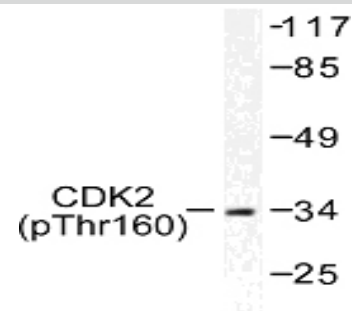
STORAGE & STABILITY

Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.

SPECIFICITY

p-CDK2 (T160) antibody detects endogenous levels of p-CDK2 protein.

DATA



Western blot (WB) analysis of p-CDK2 (T160) antibody in extracts from A2780 cells.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

Bioworld Technology, Inc.

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