

## PRODUCT DATA SHEET



Bioworld Technology, Inc.

### Cdk2 (Q265) pAb

Cat No.: BS2263

Host: Rabbit

Reactivity: Human, Mouse, Rat

#### 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. It is a catalytic subunit of the cyclin-dependent protein kinase complex, whose activity is restricted to the G1-S phase, and is essential for cell cycle G1/S phase transition. This protein associates with and is regulated by the regulatory subunits of the complex including cyclin A or E, CDK inhibitor p21Cip1 (CDKN1A) and p27Kip1 (CDKN1B). Its activity is also regulated by protein phosphorylation. Two alternatively spliced variants and multiple transcription initiation sites of this gene have been reported.

#### PRODUCT

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

#### Molecular Weight

~□35.0 kDa kDa

#### PURIFICATION & PURITY

The pAb 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

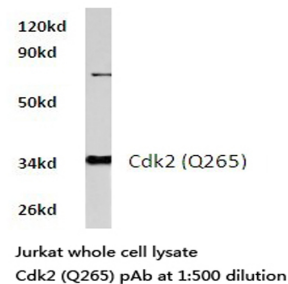
Store at 4°C short term. Aliquot and store at -20°C long term.

Avoid freeze-thaw cycles.

#### SPECIFICITY

Cdk2 (Q265) pAb detects endogenous levels of Cdk2 protein.

#### DATA



**Western blot (WB)** analysis of Cdk2 (Q265) pAb in extracts from Jurkat cells.

**Immunohistochemistry (IHC)** analyzes of Cdk2 (Q265) pAb in paraffin-embedded human heart tissue.

#### RESEARCH USE

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

Bioworld Technology, Inc.

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