

## PRODUCT DATA SHEET



Bioworld Technology, Inc.

### Cdc2 (K9) Antibody

Cat No.: BS3626

Host: Rabbit

Reactivity: Human, Mouse, Rat

#### BACKGROUND

In vertebrates, as in yeast, multiple cyclins have been identified, including a total of eight such regulatory proteins in mammals. In contrast to the situation in yeast, the Cdc2 p34 kinase is not the only catalytic subunit identified in vertebrates that can interact with cyclins. While Cdc2 p34 is essential for the G2 to M transition in vertebrate cells, a second Cdc2-related kinase has also been implicated in cell cycle control. This protein, designated cyclin dependent kinase 2 (Cdk2) p33, also binds to cyclins and its kinase activity is temporally regulated during the cell cycle. Several additional Cdc2 p34-related cyclin dependent kinases have been identified. These include Cdk3, Cdk4, PSSALRE (Cdk5), PCTAIRE-1, PCTAIRE-2, PCTAIRE-3, PLSTIRE (Cdk6), Cdk7 and KKIALRE.

#### 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 (Recommended Dilutions)

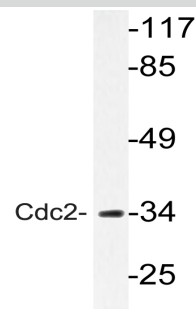
#### STORAGE & STABILITY

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

#### SPECIFICITY

Cdc2 (K9) antibody detects endogenous levels of Cdc2 protein.

#### DATA



Western blot (WB) analyzes of Cdc2 (K9) antibody in extracts from HepG2 cells.

#### RESEARCH USE

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

Bioworld Technology, Inc.

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