

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### PLK1 (D204) Peptide

Cat No.: BS1687P

#### Background

PLK1 (polo-like kinase 1) is a member of the serine/threonine protein kinase family, cdc5/polo subfamily. PLK1 contains two polo box domains with a predicted molecular weight of 68 kDa. PLK1 has been shown to regulate cdc2/cyclin B through phosphorylation and activation of cdc25c phosphatase. PLK1 is modified by phosphorylation at Threonine 210. PLK1 may also be required for cell division. Depletion of PLK1 results in apoptosis and deregulation of expression of PKL1 is correlated with development of many malignancies. Studies have shown that ab14209 preferentially detects the kinetochore-associated pool of Plk1. An alternative antibody, Mouse monoclonal to Plk1 (ab14210) preferentially stains centrosomal-associated Plk1.

#### Swiss-Prot

P53350

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS1687 PLK1 (D204) pAb.

#### Purification & Purity

Synthetic peptide PLK1 (D204). (Note: the amino acid sequence is proprietary). The purity is > 98%.

#### Product

1 mg/ml in DI water.

#### Storage & Stability

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

#### Research Use

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