

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



PBK (I4) Peptide

Cat No.: BS1571P

Background

PBK (PDZ binding kinase) belongs to the serine/threonine protein kinase family. It is related to the dual specific mitogen-activated protein kinase kinase (MAPKK) family and phosphorylates MAP kinase p38. It is active only in mitosis. When phosphorylated it forms a complex with TP53, leading to TP53 destabilization and attenuation of G2/M checkpoint during doxorubicin-induced DNA damage. It makes a kinase-substrate complex with cdk1/cyclin B1 and PRC1 on microtubules during mitosis, enhances the cdk1/cyclin B1-dependent phosphorylation of PRC1 and thereby strongly promotes cytokinesis. It may play a role in the activation of lymphoid cells.

Swiss-Prot

Q96KB5

Applications

Blocking

Specificity

This peptide can be used with studies using BS1571 PBK (I4) pAb.

Purification & Purity

Synthetic peptide PBK (I4). (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.