

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



p27 Kip1 (A181) Peptide

Cat No.: BS3714P

Background

Cell cycle progression is regulated by a series of cyclin-dependent kinases that consist of catalytic subunits, designated Cdk, and activating subunits, designated cyclins. Orderly progression through the cell cycle requires the activation and inactivation of different cyclin-Cdks at appropriate times. A series of proteins has been recently described that function as "mitotic inhibitors." These include p21, the levels of which are elevated upon DNA damage in G1 in a p53-dependent manner, p16 and a more recently described p16 related inhibitor designated p15. A p21 related protein, p27, has been described as a negative regulator of G1 progression and has been speculated to function as a possible mediator of TGF β -induced G1 arrest. p27 interacts strongly with D-type cyclins and Cdk4 in vitro and to a lesser extent with cyclin E and Cdk2.

Swiss-Prot

P46527

Applications

Blocking

Specificity

This peptide can be used with studies using BS3714 p27 Kip1 (A181) pAb.

Purification & Purity

Synthetic peptide p27 Kip1 (A181). (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.