

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### PDCD4 (K453) Peptide

Cat No.: BS1805P

#### Background

The transformation suppressor gene Pcd-4 (programmed cell death gene 4) inhibits the tumor-promoter mediated transformation of mouse keratinocytes and is a potential tumor suppressor gene in the development of human lung cancer. Biochemical analysis suggests that the Pcd-4 protein is involved in protein translation as well as in nuclear events. Pcd-4 directly interacts with the RNA helicase eIF4A and inhibits protein synthesis by interfering with the assembly of the cap-dependent translation initiation complex. Pcd-4 also suppresses the transactivation of AP-1 responsive promoters by c-Jun, suggesting that the transformation-suppressor activity of Pcd-4 might be due, at least in part, to the inhibition of c-Jun activity. In addition to affecting c-Jun phosphorylation, Pcd-4 blocks the recruitment of the co-activator p300 by c-Jun.

#### Swiss-Prot

Q53EL6

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS1805 PDCD4 (K453) pAb.

#### Purification & Purity

Synthetic peptide PDCD4 (K453). (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.