

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### PARK7 (P54) Peptide

Cat No.: BS1090P

#### Background

The DJ-1 gene encodes a highly-conserved protein which is implicated in a number of cell processes. DJ-1 was first identified as a novel oncogene that transformed mouse NIH/3T3 cells in cooperation with activated Ras. Additionally, DJ-1 was cloned in rat as SP22 or CAP-1 and found to be an infertility-related sperm protein, whose expression is reduced in sperm treated with toxicants. DJ-1 also positively regulates the androgen receptor (AR) by forming a complex with PIASx $\alpha$ , a negative regulator of AR. The gene encoding human DJ-1 maps to chromosome 1p36.33-p36.12, a region identified as a hot spot of chromosome abnormalities in several tumor cells. Subsequently, mutations in the DJ-1 gene have been implicated in Parkinson's disease, and loss of DJ-1 function leads to neurodegeneration. DJ-1 is an ubiquitously expressed protein that is induced in response to growth stimuli and translocates from the cytoplasm to the nucleus during the S phase of the cell cycle.

#### Swiss-Prot

Q99497

#### Applications

#### Blocking

#### Specificity

This peptide can be used with studies using BS1090 PARK7 (P54) pAb.

#### Purification & Purity

Synthetic peptide PARK7 (P54). (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.