

## PARK7 (P54) polyclonal antibody

Catalog: BS1090

Host: Rabbit

Reactivity: Human, Mouse, Rat

### 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.

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

### Molecular Weight:

~ 22 kDa

### Swiss-Prot:

Q99497

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

IF: 1:50~1:200

### Storage&Stability:

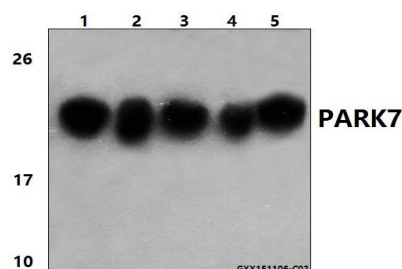
Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

### Specificity:

PARK7 (P54) polyclonal antibody detects endogenous levels of PARK7 protein.

### DATA:



Western blot (WB) analysis of PARK7 (P54) polyclonal antibody at 1:500 dilution

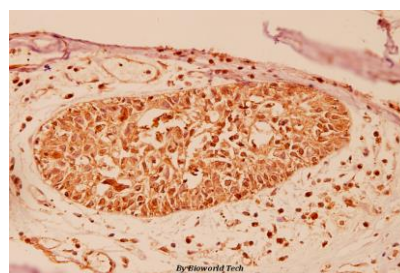
Lane1: HEK293T whole cell lysate (20ug)

Lane2: HepG2 whole cell lysate (20ug)

Lane3: LO2 whole cell lysate (20ug)

Lane4: The testis tissue lysate of Mouse (40ug)

Lane5: The testis tissue lysate of Rat (40ug)



Immunohistochemistry (IHC) analyzes of PARK7 (P54) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

### Note:

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

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## PRODUCT DATA SHEET

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