**BACKGROUND**

PIDD (for p53 induced protein with a death domain) encodes a protein of 915 amino acids in mice (910 amino acids in humans) and contains 7 tandem leucine rich repeats (LRR) in the amino terminus and a death domain in the carboxy terminus. PIDD mRNA is induced by γ-irradiation in a p53-dependent manner and the basal level of PIDD mRNA is dependent on p53 status. Over-expression of PIDD inhibits cell growth in a p53-like manner by inducing apoptosis. Antisense inhibition of PIDD expression has been shown to attenuate p53-mediated apoptosis, suggesting that PIDD expression is required for apoptosis. PIDD localizes to the cytosol.

**REFERENCES**


**CHROMOSOMAL LOCATION**

Genetic locus: PIDD1 (human) mapping to 11p15.5; Pidd1 (mouse) mapping to 7 F5.

**SOURCE**

PIDD (B-5) is a mouse monoclonal antibody raised against amino acids 611-910 (deletion 704-720) mapping at the C-terminus of PIDD of human origin.

**PRODUCT**

Each vial contains 200 µg IgGκ kappa light chain in 1.0 ml of PBS with <0.1% sodium azide and 0.1% gelatin.

**STORAGE**

Store at 4°C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

**APPLICATIONS**

PIDD (B-5) is recommended for detection of PIDD of mouse, rat and human origin by Western Blotting (starting dilution 1:100, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:300).


Molecular Weight of PIDD: 100 kDa.

Positive Controls: HEK293 whole cell lysate: sc-45136, Hep G2 cell lysate: sc-2227 or NCI-H226 whole cell lysate: sc-364256.

**RECOMMENDED SUPPORT REAGENTS**

To ensure optimal results, the following support reagents are recommended:

**DATA**

**RESEARCH USE**

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

**PROTOCOLS**

See our website at www.scbt.com for detailed protocols and support products.