**BACKGROUND**

p53CSV (p53-inducible cell-survival factor), also known as WF-1, HSPC132 or TRIAP1 (TP53 regulated inhibitor of apoptosis 1), is a 76 amino acid protein that localizes to the cytoplasm and perinuclear region of cells. Belonging to the TRIAP1/MDM35 family, p53CSV mediates cell survival by inhibiting activation of caspase-9 which prevents induction of apoptosis. p53CSV is induced significantly when cells have a low level of genotoxic stresses, but not when DNA damage is severe. Interaction between p53CSV and HSP70 may result in modulation of the apoptotic pathway and inhibition of Apaf-1 (apoptosis protease activating factor-1) activity. Regulated by p53, p53CSV plays an important role in p53-mediated cell survival. The gene encoding p53CSV maps to human chromosome 12, which encodes over 1,100 genes and comprises approximately 4.5% of the human genome.

**REFERENCES**


**CHROMOSOMAL LOCATION**

Genetic locus: TRIAP1 (human) mapping to 12q24.31; Trip1 (mouse) mapping to 5 F.

**SOURCE**

p53CSV (C-17) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping at the C-terminus of p53CSV of human origin.

**STORAGE**

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

**PRODUCT**

Each vial contains 100 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-139544 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

**APPLICATIONS**

p53CSV (C-17) is recommended for detection of p53CSV of mouse, rat and human origin by Western Blotting (starting dilution 1:100, dilution range 1:50-1:5000), immunoprecipitation (1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)), immunofluorescence (starting dilution 1:25, dilution range 1:25-1:250) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

p53CSV (C-17) is also recommended for detection of p53CSV in additional species, including equine, canine and bovine.

**RECOMMENDED SECONDARY REAGENTS**

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

**RESEARCH USE**

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