

Pdcd-5 (N-16): sc-162004

BACKGROUND

Pdcd-5 (programmed cell death protein 5), also known as TFAR19, is a 125 amino acid protein that is widely expressed with highest expression in heart, testis, kidney, pituitary gland, adrenal gland and placenta. Belonging to the Pdcd family, Pdcd-5 is activated in cells undergoing apoptosis. Pdcd-5 may be an important regulator of TIP60 by inhibiting its proteasome-dependent degradation. TIP60, also known as K(lysine) acetyltransferase 5, is a protein involved in transcription, DNA damage response and cell cycle control. Pdcd-5 is encoded by a gene located on human chromosome 19q13.11. Chromosome 19 consists of approximately 63 million bases and makes up over 2% of human genomic DNA. Chromosome 19 is recognized for having the greatest gene density of the human chromosomes. It is the genetic home for a number of immunoglobulin superfamily members including the killer cell and leukocyte Ig-like receptors, a number of ICAMs, the CEACAM and PSG family and Fc α receptors.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: PDCD5 (human) mapping to 19q13.11; Pdcd5 (mouse) mapping to 7 B2.

RESEARCH USE

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

SOURCE

Pdcd-5 (N-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of Pdcd-5 of human origin.

PRODUCT

Each vial contains 200 μ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-162004 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

Available as TransCruz reagent for Gel Supershift and ChIP applications, sc-162004 X, 200 μ g/0.1 ml.

APPLICATIONS

Pdcd-5 (N-16) is recommended for detection of Pdcd-5 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); non cross-reactive with other Pdcd family members.

Pdcd-5 (N-16) is also recommended for detection of Pdcd-5 in additional species, including bovine and porcine.

Suitable for use as control antibody for Pdcd-5 siRNA (h): sc-97752, Pdcd-5 siRNA (m): sc-152124, Pdcd-5 shRNA Plasmid (h): sc-97752-SH, Pdcd-5 shRNA Plasmid (m): sc-152124-SH, Pdcd-5 shRNA (h) Lentiviral Particles: sc-97752-V and Pdcd-5 shRNA (m) Lentiviral Particles: sc-152124-V.

Pdcd-5 (N-16) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of Pdcd-5: 14 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (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) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

STORAGE

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

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.