SANTA CRUZ BIOTECHNOLOGY, INC.

Pirh2 (C-18): sc-46236

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The Power to Question

BACKGROUND

Pirh2, also known as Androgen receptor N-terminal-interacting protein (ARNIP), ZN363 or CHIMP, has p53-induced ubiquitin-protein ligase activity, promoting p53 degradation. The protein physically interacts with p53 and the resulting degradation of p53 renders Pirh2 an oncogenic protein as the loss of p53 function contributes to malignant tumor development. The gene encoding for the protein maps to chromosome 4q21.1 and transcription of this gene is regulated by p53. Pirh2 expression decreases the level of p53 and a decrease of endogenous Pirh2 expression ups p53 levels. Pirh2 is therefore considered, together with MDM2, to be acting as a negative regulator of p53 function.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: RCHY1 (human) mapping to 4q21.1; Rchy1 (mouse) mapping to 5 E2.

SOURCE

Pirh2 (C-18) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the C-terminus of Pirh2 of human origin.

RESEARCH USE

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

PRODUCT

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

Blocking peptide available for competition studies, sc-46236 P, (100 µg 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-46236 X, 200 µg/0.1 ml.

APPLICATIONS

Pirh2 (C-18) is recommended for detection of Pirh2 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).

Pirh2 (C-18) is also recommended for detection of Pirh2 in additional species, including porcine.

Suitable for use as control antibody for Pirh2 siRNA (h): sc-45424, Pirh2 siRNA (m): sc-45425, Pirh2 shRNA Plasmid (h): sc-45424-SH, Pirh2 shRNA Plasmid (m): sc-45425-SH, Pirh2 shRNA (h) Lentiviral Particles: sc-45424-V and Pirh2 shRNA (m) Lentiviral Particles: sc-45425-V.

Pirh2 (C-18) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of Pirh2: 30 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.