

PNRC1 (N-12): sc-162025

BACKGROUND

PNRC1 (proline-rich nuclear receptor coactivator 1), also known as B4-2, PRR2, PROL2 or PNAS-145, is a 327 amino acid proline-rich protein that participates in protein binding activities and may play a role in signal transduction. Belonging to the PNRC family and the PNRC1 subfamily, PNRC1 contains a potential N-terminal SH3-binding domain, a nuclear targeting sequence and seven SPxx or TPxx motifs. Interaction between PNRC1 and nuclear receptors, such as AR, ER α , ERR α , ERR γ , GR, SF-1, PR, TR, RAR and RXR, is dependent on the SH3 binding motif. PNRC1 also interacts with GRB2 and functions as a nuclear receptor coactivator. Conserved in chimpanzee, cow, mouse, rat and chicken, PNRC1 localizes to nucleus and is expressed in liver, lung, fat and NK/T cells. The gene that encodes PNRC1 maps to human chromosome 6q15.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: PNRC1 (human) mapping to 6q15; Pnrc1 (mouse) mapping to 4 A5.

SOURCE

PNRC1 (N-12) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of PNRC1 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 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-162025 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

PNRC1 (N-12) is recommended for detection of PNRC1 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 PNRC2.

Suitable for use as control antibody for PNRC1 siRNA (h): sc-95538, PNRC1 siRNA (m): sc-152361, PNRC1 shRNA Plasmid (h): sc-95538-SH, PNRC1 shRNA Plasmid (m): sc-152361-SH, PNRC1 shRNA (h) Lentiviral Particles: sc-95538-V and PNRC1 shRNA (m) Lentiviral Particles: sc-152361-V.

Molecular Weight of PNRC1: 35 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.

RESEARCH USE

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

PROTOCOLS

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