

NRIP (G-14): sc-163169

BACKGROUND

WD-repeats are motifs that are found in a variety of proteins and are characterized by a conserved core of 40-60 amino acids that commonly form a tertiary propeller structure. While proteins that contain WD-repeats participate in a wide range of cellular functions, they are generally involved in regulatory mechanisms concerning chromatin assembly, cell cycle control, signal transduction, RNA processing, apoptosis and vesicular trafficking. NRIP (nuclear receptor interaction protein), also known as IQWD1 (IQ motif and WD repeat-containing protein 1), MSTP055, ARCAP or PC326, is an 860 amino acid protein that localizes to the nucleus and contains one IQ domain and 7 WD-repeats. Expressed in testis, skeletal muscle, prostate and heart, NRIP functions as a ligand-dependent coactivator of nuclear receptors and specifically enhances the transcriptional activity of AR (androgen receptor) and GR (glucocorticoid receptor). NRIP exists as three isoforms that are produced by alternative splicing events.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: DCAF6 (human) mapping to 1q24.2; Dcaf6 (mouse) mapping to 1 H2.3.

SOURCE

NRIP (G-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of NRIP of human origin.

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-163169 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

NRIP (G-14) is recommended for detection of NRIP 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 NRIP2 or NRIP3.

NRIP (G-14) is also recommended for detection of NRIP in additional species, including equine, canine, bovine, porcine and avian.

Suitable for use as control antibody for NRIP siRNA (h): sc-88749, NRIP siRNA (m): sc-150065, NRIP shRNA Plasmid (h): sc-88749-SH, NRIP shRNA Plasmid (m): sc-150065-SH, NRIP shRNA (h) Lentiviral Particles: sc-88749-V and NRIP shRNA (m) Lentiviral Particles: sc-150065-V.

Molecular Weight of NRIP: 96 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.

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.