

SCAND1 (N-14): sc-69611

BACKGROUND

SCAND1 (SCAN domain containing 1), also known as RAZ1 or SDP1, is a nuclear protein that may play a role in the mechanism of transcription regulation. It is widely expressed with highest levels of expression found in kidney, thyroid, liver, prostate and testis. SCAND1 contains one SCAN box domain and, unlike the majority of other SCAN domain containing proteins, it does not contain a zinc finger motif. The SCAN box domain is a conserved leucine rich motif, approximately 60 amino acids in length, that participates in protein-protein interactions. SCAND1 interacts with ZNF38, ZNF191 and MZF-1. It also interacts with ZNF202 and PPAR γ , suggesting that it plays a role in the transcriptional regulation of genes that are involved in energy homeostasis and lipid metabolism.

REFERENCES

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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.

CHROMOSOMAL LOCATION

Genetic locus: SCAND1 (human) mapping to 20q11.23.

SOURCE

SCAND1 (N-14) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping near the N-terminus of SCAND1 of human origin.

PRODUCT

Each vial contains 100 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-69611 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-69611 X, 200 μ g/0.1 ml.

APPLICATIONS

SCAND1 (N-14) is recommended for detection of SCAND1 of 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).

Suitable for use as control antibody for SCAND1 siRNA (h): sc-76458, SCAND1 shRNA Plasmid (h): sc-76458-SH and SCAND1 shRNA (h) Lentiviral Particles: sc-76458-V.

SCAND1 (N-14) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of SCAND1: 28 kDa.

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) 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.

PROTOCOLS

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