

# SCAND1 (H-35): sc-292464

## 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 $\gamma$ , suggesting that it plays a role in the transcriptional regulation of genes that are involved in energy homeostasis and lipid metabolism.

## REFERENCES

- Schumacher, C., et al. 2000. The SCAN domain mediates selective oligomerization. *J. Biol. Chem.* 275: 17173-17179.
- Sander, T.L., et al. 2000. Identification of a novel SCAN box-related protein that interacts with MZF1B. The leucine-rich SCAN box mediates hetero- and homoprotein associations. *J. Biol. Chem.* 275: 12857-12867.

## CHROMOSOMAL LOCATION

Genetic locus: SCAND1 (human) mapping to 20q11.23; Scand1 (mouse) mapping to 2 H1.

## SOURCE

SCAND1 (H-35) is a rabbit polyclonal antibody raised against amino acids 145-179 mapping at the C-terminus of SCAND1 of human origin.

## PRODUCT

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

## APPLICATIONS

SCAND1 (H-35) is recommended for detection of SCAND1 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2  $\mu$ g per 100-500  $\mu$ g of total protein (1 ml of cell lysate)], 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).

SCAND1 (H-35) is also recommended for detection of SCAND1 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for SCAND1 siRNA (h): sc-76458, SCAND1 siRNA (m): sc-153246, SCAND1 shRNA Plasmid (h): sc-76458-SH, SCAND1 shRNA Plasmid (m): sc-153246-SH, SCAND1 shRNA (h) Lentiviral Particles: sc-76458-V and SCAND1 shRNA (m) Lentiviral Particles: sc-153246-V.

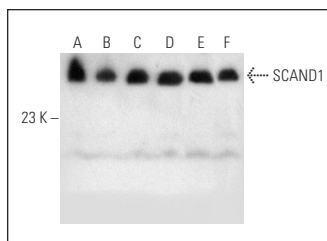
Molecular Weight of SCAND1: 28 kDa.

Positive Controls: U-937 cell lysate: sc-2239, Jurkat whole cell lysate: sc-2204 or A549 cell lysate: sc-2413.

## 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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) 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.

## DATA



SCAND1 (H-35): sc-292464. Western blot analysis of SCAND1 expression in HEL 92.1.7 (A), U-937 (B), Jurkat (C), HeLa (D), K-562 (E) and A549 (F) whole cell lysates.

## 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](http://www.scbt.com) or our catalog for detailed protocols and support products.

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Try **SCAND1 (SCANH7G4): sc-81377**, our highly recommended monoclonal alternative to SCAND1 (H-35).