

SRC-1 (M-20): sc-6098

BACKGROUND

Nuclear receptors for steroids, thyroid hormones and retinoic acids are ligand-dependent transcription factors that activate transcription through specific DNA binding sites in their target genes. Several related transcriptional coactivators and corepressors have been described that work in concert with the steroid receptor family to either induce or repress transcription from hormone-responsive elements. This family includes GRIP1 (for GR interacting protein 1, also designated NCoA-2 or Tif2); SRC-1 (for steroid receptor coactivator-1, also designated NCoA-1); RAC3 (also designated AIB1, for amplified in breast cancer, or ACTR), which displays elevated expression in estrogen receptor positive ovarian and breast cancers; and p/CIP (for p300/CBP/co-integrator protein), which is required for the transcriptional activation of p300/CBP-dependent transcription factors.

CHROMOSOMAL LOCATION

Genetic locus: NCOA1 (human) mapping to 2p23.3; NcoA1 (mouse) mapping to 12 A1.1.

SOURCE

SRC-1 (M-20) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the C-terminus of SRC-1 of mouse 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-6098 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-6098 X, 200 µg/0.1 ml.

APPLICATIONS

SRC-1 (M-20) is recommended for detection of SRC-1 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg 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). SRC-1 (M-20) is also recommended for detection of SRC-1 in additional species, including canine and porcine.

Suitable for use as control antibody for SRC-1 siRNA (h): sc-36555, SRC-1 siRNA (m): sc-36556, SRC-1 shRNA Plasmid (h): sc-36555-SH, SRC-1 shRNA Plasmid (m): sc-36556-SH, SRC-1 shRNA (h) Lentiviral Particles: sc-36555-V and SRC-1 shRNA (m) Lentiviral Particles: sc-36556-V.

SRC-1 (M-20) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of SRC-1: 160 kDa.

Positive Controls: KNRK nuclear extract: sc-2141.

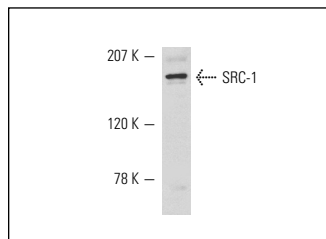
RESEARCH USE

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

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

DATA



SRC-1 (M-20): sc-6098. Western blot analysis of SRC-1 expression in KNRK nuclear extract.

SELECT PRODUCT CITATIONS

- Shim, W.S., et al. 1999. Segregation of steroid receptor coactivator-1 from steroid receptors in mammary epithelium. *Proc. Natl. Acad. Sci. USA* 96: 208-213.
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- Cheng, H.T., et al. 2006. Functional role of VDR in the activation of p27^{Kip1} by the VDR/Sp1 complex. *J. Cell. Biochem.* 98: 1450-1456.
- Mukherjee, A., et al. 2006. Steroid receptor coactivator 2 is critical for progesterone-dependent uterine function and mammary morphogenesis in the mouse. *Mol. Cell. Biol.* 26: 6571-6583.
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- Forst-Ludwig, A., et al. 2008. Metabolic actions of estrogen receptor β (ER β) are mediated by a negative cross-talk with PPAR γ . *PLoS Genet.* 4: e1000108.
- Lalmansingh, A.S. and Uht, R.M. 2008. Estradiol regulates corticotropin-releasing hormone gene (crh) expression in a rapid and phasic manner that parallels estrogen receptor- α and - α recruitment to a 3',5'-cyclic adenosine 5'-monophosphate regulatory region of the proximal crh promoter. *Endocrinology* 149: 346-357.
- Lim, Y.P., et al. 2014. Inhibition of cytochrome P450 2C9 expression and activity *in vitro* by allyl isothiocyanate. *Planta Med.* 80: 1247.

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Try **SRC-1 (1135/H4): sc-32789** or **SRC-1 (8): sc-136077**, our highly recommended monoclonal alternatives to SRC-1 (M-20).