SANTA CRUZ BIOTECHNOLOGY, INC.

GRIP-1 (29): sc-136244

SANTA CRUZ BIOTECHNOLOGY

The Power to Question

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 co-activators 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 GRIP-1 (for GR interacting protein-1, also designated NCoA-2 or TIF-2); SRC-1 (for steroid receptor co-activator-1, also designated NCoA-1); Rac 3 (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.

REFERENCES

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6. Torchia, J., Rose, D.W., Inostroza, J., Kamei, Y., Westin, S., Glass, C.K. and Rosenfeld, M.G. 1997. The transcriptional co-activator p/CIP binds CBP and mediates nuclear-receptor function. Nature 387: 677-684.

CHROMOSOMAL LOCATION

Genetic locus: NCOA2 (human) mapping to 8q13.3; Ncoa2 (mouse) mapping to 1 A3.

SOURCE

GRIP-1 (29) is a mouse monoclonal antibody raised against amino acids 959-1067 of GRIP-1 of human origin.

PRODUCT

Each vial contains 50 µg IgG_1 in 0.5 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-136244 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% stabilizer protein).

APPLICATIONS

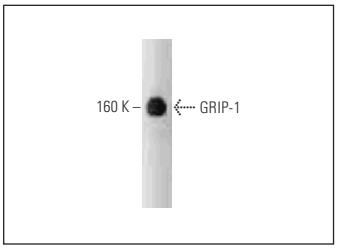
GRIP-1 (29) is recommended for detection of GRIP-1 of mouse, rat, human and canine origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)] and immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500).

Suitable for use as control antibody for GRIP-1 siRNA (h): sc-38882, GRIP-1 siRNA (m): sc-38883, GRIP-1 shRNA Plasmid (h): sc-38882-SH, GRIP-1 shRNA Plasmid (m): sc-38883-SH, GRIP-1 shRNA (h) Lentiviral Particles: sc-38882-V and GRIP-1 shRNA (m) Lentiviral Particles: sc-38883-V.

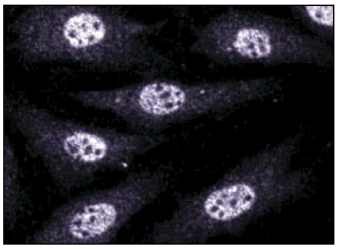
Molecular Weight of GRIP-1: 160 kDa.

Positive Controls: Jurkat whole cell lysate: sc-2204.

DATA



GRIP-1 (29): sc-136244. Western blot analysis of GRIP-1 expression in Jurkat whole cell lysate.



GRIP-1 (29): sc-136244. Immunofluorescence staining of C3H/10T1/2 cells showing nuclear localization.

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. Not for resale.

PROTOCOLS

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