

RelB (C-19): sc-226

BACKGROUND

The NF κ B transcription factor was originally identified as a protein complex consisting of a DNA binding subunit and an associated protein. The subunit is functionally related to c-Rel p75 and RelB p68. The p50 subunit was initially believed to be a functionally unique protein derived from the amino-terminus of a precursor designated p105. A second protein designated p52 (previously referred to as p49) has been identified that can act as an alternative NF κ B subunit. RelB does not bind with high affinity to NF κ B sites, but heterodimers between RelB and p50 bind with an affinity comparable to that of p50 NF κ B homodimers. However, RelB/p50 heterodimers, in contrast to NF κ B heterodimers, transactivates transcription of promoters containing κ B binding sites.

CHROMOSOMAL LOCATION

Genetic locus: RELB (human) mapping to 19q13.32; Relb (mouse) mapping to 7 A3.

SOURCE

RelB (C-19) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping at the C-terminus of RelB of mouse origin.

PRODUCT

Each vial contains 200 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-226 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-226 X, 200 μ g/0.1 ml.

APPLICATIONS

RelB (C-19) is recommended for detection of RelB p68 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500), flow cytometry (1 μ g per 1 x 10⁶ cells) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

RelB (C-19) is also recommended for detection of RelB p68 in additional species, including equine, canine and bovine.

Suitable for use as control antibody for RelB siRNA (h): sc-36402, RelB siRNA (m): sc-36403, RelB shRNA Plasmid (h): sc-36402-SH, RelB shRNA Plasmid (m): sc-36403-SH, RelB shRNA (h) Lentiviral Particles: sc-36402-V and RelB shRNA (m) Lentiviral Particles: sc-36403-V.

RelB (C-19) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of RelB: 68 kDa.

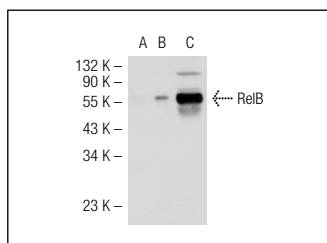
STORAGE

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

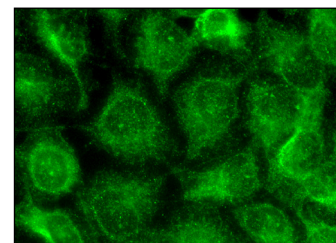
RESEARCH USE

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

DATA



RelB (C-19): sc-226. Western blot analysis of RelB expression in non-transfected 293T: sc-117752 (A), mouse RelB transfected 293T: sc-127459 (B) and KNRK2 (C) whole cell lysates.



RelB (C-19): sc-226. Immunofluorescence staining of methanol-fixed HeLa cells showing cytoplasmic and nuclear localization.

SELECT PRODUCT CITATIONS

- Claudio, E., et al. 2002. BAFF-induced NEMO-independent processing of NF κ B2 in maturing B cells. *Nat. Immunol.* 10: 958-965.
- Huang, Y.H., et al. 2002. Synergistic and opposing regulation of the stress-responsive gene IEX-1 by p53, c-Myc, and multiple NF κ B/Rel complexes. *Oncogene* 21: 6819-6828.
- Mizgerd, J.P., et al. 2002. Functions of I κ B proteins in inflammatory responses to *Escherichia coli* LPS in mouse lungs. *Am. J. Respir. Cell Mol. Biol.* 27: 575-582.
- Zoja, C., et al. 2002. Shiga toxin-2 triggers endothelial leukocyte adhesion and transmigration via NF κ B dependent up-regulation of IL-8 and MCP-1. *Kidney Int.* 62: 846-856.
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- Chiba, T., et al. 2012. Interleukin-1 β accelerates the onset of stroke in stroke-prone spontaneously hypertensive rats. *Mediators Inflamm.* 2012: 701976.
- Graham, C., et al. 2013. Kaposi's sarcoma-associated herpesvirus oncoprotein K13 protects against B cell receptor-induced growth arrest and apoptosis through NF κ B activation. *J. Virol.* 87: 2242-2252.
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Try **RelB (D-4): sc-48366** or **RelB (C-4): sc-48379**, our highly recommended monoclonal alternatives to RelB (C-19). Also, for AC, HRP, FITC, PE, Alexa Fluor[®] 488 and Alexa Fluor[®] 647 conjugates, see **RelB (D-4): sc-48366**.