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**anti-Rel B**

Cat #: HM1320  
Rabbit polyclonal IgG  
0.2 µg/µl, store at 4 °C

For research use only

**BACKGROUND**

The NFκB transcription factor was originally identified as a protein complex consisting of a 65 kDa DNA binding subunit and an associated 50 kDa protein. The 65 kDa subunit is functionally related to c-Rel p75 and Rel B 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 as p52 has been identified that can act as an alternative NFκB subunit. Rel B does not bind with high affinity to NFκB sites, but heterodimers between Rel B and p50 bind with an affinity comparable to that of p50 NFκB homodimers. However, Rel B/p50 heterodimers, in contrast to NFκB heterodimers, transactivate transcription of promoters containing κB binding sites.

**SPECIFICITY**

This antibody specifically recognizes Rel B p68 of human, mouse and rat origin.

The antibody can be used in Western blotting, immunoprecipitation and immunostaining.

**IMMUNOGEN**

A peptide mapping at the carboxy terminus of Rel B p68 of mouse origin.

**STORAGE**

This antibody is stable for 12 months when stored at 2-8°C.

**REFERENCE**

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2. Dobrzanski, P., Ryseck, R.P. and Bravo, R. (1993) Both N- and C-terminal domains of RelB are required for full transactivation: role of the N-terminal leucine zipper-like motif. *Mol. Cell. Biol.* 13, 1572-1582.
3. Burkly, L., Hession, C., Ogata, L., Reilly, C., Marconi, L.A., Olson, D., Tizard, R., Cate, R. and Lo, D. (1995) Expression of relB is required for the development of thymic medulla and dendritic cells. *Nature* 373, 531-536.

4. Maier, H.J., Marienfeld, R., Wirth, T. and Baumann, B. (2003) Critical role of RelB serine 368 for dimerization and p100 stabilization. *J. Biol. Chem.* 278, 39242-39250.

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