

---

**anti-c-Rel**

Cat #: HM1319  
Rabbit polyclonal IgG  
0.2 µg/µl, store at 4 °C

For research use only

**BACKGROUND**

C-Rel is the cellular homolog of v-Rel, a transforming gene in avian reticuloendotheliosis virus. Unlike v-Rel which lacks a C-terminal transactivation domain and does not appear to function as a transcriptional activator, c-Rel binds κB site. C-Rel is functionally related to p65 subunit of NFκB transcription factor, which is a critical mediator of immune and inflammatory responses. It is suggested that v-Rel suppresses the normal transcription of NFκB regulated genes and thus causes transformation.

**SPECIFICITY**

This antibody specifically recognizes c-Rel B p75 of human, mouse and rat origin. It cross-reacts with NFκB p65.

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

Recommended dilution for Western blotting: 1:1000.

Molecular Weight of c-Rel: 75 kDa.

**IMMUNOGEN**

A recombinant human c-Rel protein.

**STORAGE**

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

**REFERENCE**

1. Hannink, M. and Temin, H.M. 1989. Trans-activation of gene expression by nuclear and cytoplasmic rel proteins. *Mol. Cell. Biol.* 9: 4323-4336.
2. Ghosh, S., Gifford, A.M., Riviere, L.R., Tempst, P., Nolan, G.P., and Baltimore, D. 1990. Cloning of the p50 DNA binding subunit of NF-κB: Homology to rel and dorsal. *Cell* 62: 1019-1029.
3. Inoue, J.-I., Kerr, L.D., Ransone, L.J., Bengal, E., Hunter, T., and Verma, I.M. 1991. c-rel activates but v-rel suppresses transcription from κB sites. *Proc. Natl. Acad. Sci. USA* 88: 3715-3719.
4. Bull, P., Morley, K.L., Hoekstra, M.F., Hunter, T., and Verma, I.M. 1990. The mouse c-rel protein has an N-terminal regulatory domain and a C-terminal transcriptional transactivation domain. *Mol. Cell. Biol.* 10: 5473-5485.

5. Bash J, Zong WX, Gelinas C. (1997) c-Rel arrests the proliferation of HeLa cells and affects critical regulators of the G1/S-phase transition. *Mol Cell Biol.* 17(11):6526-36.
6. Liou HC, Hsia CY. (2003) Distinctions between c-Rel and other NF-kappaB proteins in immunity and disease. *Bioessays.* 25(8):767-80.

**PRODUCT FROM HYPROMATRIX, INC.****A. AntibodyArray™s:**

1. Signal Transduction AntibodyArray™  
Catalog Number HM3000
2. Apoptosis AntibodyArray™  
Catalog Number HM4000
3. Cell Cycle AntibodyArray™  
Catalog Number HM5000

**B. Staining AntibodyArray™s**

1. Staining AntibodyArray™ I  
Catalog Number HM8100
2. AntibodyArray Staining Apparatus  
Catalog Number HM8000

**C. Antibodies****1. HRP-conjugated antibodies**

- anti-phosphotyrosine  
Catalog Number HM2040
- anti-phosphoserine  
Catalog Number HM2070
- anti-phosphothreonine  
Catalog Number HM2090

and more...

**2. Primary antibodies**

Hypromatrix offers a variety of high quality antibodies. For a complete list of antibodies and their specificities, please visit our web site at [www.hypromatrix.com](http://www.hypromatrix.com).

**CONTACT**

**Hypromatrix, Inc.**  
100 Barber Avenue  
Worcester, MA 01606  
USA

Tel: 508-856-7900  
Fax: 508-302-0748  
Email: [contact@hypromatrix.com](mailto:contact@hypromatrix.com)  
Web: [www.hypromatrix.com](http://www.hypromatrix.com)