

---

**anti-Rb2 p130**

Cat #: HM1316  
Rabbit polyclonal IgG  
0.2 µg/µl, store at 4 °C

For research use only

**BACKGROUND**

The human retinoblastoma gene product Rb plays an important role in the negative regulation of cell proliferation. Two related proteins, p107 and pRb2/p130, are structurally and functionally similar to Rb. The three proteins share a structural homology (pocket region) that plays a primary role in the function of these proteins. Like pRb, both p107 and pRb2/p130 play a fundamental role in growth control. They form complexes with transcription factors including E2F.

**SPECIFICITY**

This antibody specifically recognizes p130 of mouse, rat and human origin.

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

**IMMUNOGEN**

A recombinant protein corresponding to the carboxy terminus of human p130.

**STORAGE**

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

**REFERENCES**

- Helin, K., Lees, J.A., Vidal, M., Dyson, N., Harlow, E., and Fattaey, A. 1992. A cDNA encoding a pRB-binding protein with properties of the transcription factor E2F. *Cell* 70: 337-350.
- Kaelin, W.G. Jr., Krek, W., Sellers, W.R., DeCaprio, J.A., Ajchenbaum, F., Fuchs, C.S., Chittenden, T., Li, Y., Farnham, P.J., Blaner, M.A., Livingston, D.M., and Flemington, E.K. 1992. Expression cloning of a cDNA encoding a retinoblastoma-binding protein with E2F-like properties. *Cell* 70: 351-364.
- Mayol, X., Graña, X., Baldi, A., Sang, N., Hu, Q., and Giordano, A. 1993. Cloning of a new member of the retinoblastoma gene family (pRb2) which binds to the E1A transforming domain. *Oncogene* 8: 2561-2566.
- Yeung RS et al. 1993. The retinoblastoma-related gene, RB2, maps to human chromosome 16q12 and rat chromosome 19. *Oncogene* 8:3465-8.
- Mayol X et al. 1993. Cloning of a new member of the retinoblastoma gene family (pRb2) which binds to the E1A transforming domain. *Oncogene* 8:2561-6.
- Claudio PP et al. 1994. p130/pRb2 has growth suppressive properties similar to yet distinctive from those of retinoblastoma family members pRb and p107. *Cancer Res* 54:5556-60.
- Canhoto, A.J., Chestukhin, A., Litovchick, L., and DeCaprio, J.A. 2000. Phosphorylation of the retinoblastomarelated protein p130 in growth-arrested cells. *Oncogene* 19: 5116-5122.
- Tedesco, D., Lukas, J. and Reed, S.I. 2002. The pRb-related protein p130 is regulated by phosphorylation-dependent proteolysis via the protein-ubiquitin ligase SCF (Skp2). *Genes Dev.* 16, 2946-2957.
- Pucci B et al. 2002. pRb2/p130 promotes radiation-induced cell death in the glioblastoma cell line HJC12 by p73 upregulation and Bcl-2 downregulation. *Oncogene* 21:5897-905.
- Russo, G., Claudio, P.P., Fu, Y., Stiegler, P., Yu, Z., Macaluso, M. and Giordano, A. 2003. pRB2/p130 target genes in non-small lung cancer cells identified by microarray analysis. *Oncogene* 22, 6959-6969.

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

- Signal Transduction AntibodyArray™  
Catalog Number HM3000
- Apoptosis AntibodyArray™  
Catalog Number HM4000
- Cell Cycle AntibodyArray™  
Catalog Number HM5000

**B. Staining AntibodyArray™s**

- Staining AntibodyArray™ I  
Catalog Number HM8100
- 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)