
anti-Rb p110

Cat #: HM1315
Mouse monoclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

BACKGROUND

Retinoblastoma gene product Rb plays an important role in the regulation of cell proliferation. It negatively regulates the cell cycle by interacting with transcription factors such as E2F1, ATF2 and c-Abl. Rb function is regulated by phosphorylation catalyzed by the cyclin-dependent protein kinases (cdks). Phosphorylation of serine 612 by cdk 2 complexes disrupts binding to E2F. Two proteins designated p107 and p130 show a high degree of identity with pRb p110.

SPECIFICITY

This antibody specifically recognizes Rb p110 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 p110.

STORAGE

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

REFERENCES

1. Lee, W.H., Bookstein, R., Hong, F., Young, L.J., Shew, J.Y. and Lee, E.Y. 1987. Human retinoblastoma susceptibility gene: cloning, identification, and sequence. *Science* 235, 1394-1399.
2. Lee, W.H., Shew, J.Y., Hong, F.D., Sery, T.W., Donoso, L.A., Young, L.J., Bookstein, R. and Lee, E.Y. 1987. The retinoblastoma susceptibility gene encodes a nuclear phosphoprotein associated with DNA binding activity. *Nature* 329, 642-645.
3. Nevins, J.R. 1992. E2F: a link between the Rb tumor suppressor protein and viral oncoproteins. *Science* 258: 424-429.
4. Luo, R.X., Postigo, A.A. and Dean, D.C. 1998. Rb interacts with histone deacetylase to repress transcription. *Cell* 92, 463-473.

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Hypromatrix, Inc.
100 Barber Avenue
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USA

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Fax: 508-302-0748
Email: contact@hypromatrix.com
Web: www.hypromatrix.com