
anti-Cyclin D3

Cat #: HM1104
Rabbit polyclonal IgG
0.2 µg/µ, store at 4 °C

For research use only

BACKGROUND

Cell cycle progression is controlled by distinct protein kinase complexes. These complexes consist of a regulatory subunit (cyclin and related proteins) and a catalytic subunit (cyclin-dependent kinases-cdks). The expressions of cyclins oscillate through the cell cycle and they regulate cell cycle by activating cdks. The D-type cyclins includes D1, D2 and D3. They associate with cyclin-dependent protein kinase Cdk4 or Cdk6 to form an active complex that phosphorylates and inactivates the retinoblastoma protein, pRb.

SPECIFICITY

This antibody specifically recognizes Cyclin D3 of human, mouse and rat origin. It does not cross-react with other D-type cyclins.

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

IMMUNOGEN

A peptide mapping at the carboxy terminus of cyclin D3 of human origin.

STORAGE

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

REFERENCE

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3. Kiyokawa, H., Busquets, X., Powell, C.T., Ngo, L., Rifkind, R.A., and Marks, P.A. 1992. Cloning of a D-type cyclin from murine erythroleukemia cells. *Proc. Natl. Acad. Sci. USA* 89: 2444-2447.
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6. Inaba, T., Matsushime, H., Valentine, M., Roussel, M.F., Sherr, C.J., and Look, A.T. 1992. Genomic organization, chromosomal localization, and independent expression of human cyclin D genes. *Genomics* 13: 565-574.

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