E92116

RB1Polyclonal Antibody

Catalog Number: E92116
Amount: 100ul
Background: The retinoblastoma tumor suppressor protein, Rb, regulates cell proliferation by controlling progression through the restriction point within the G1-phase of the cell cycle (1). Rb has three functionally distinct binding domains and interacts with critical regulatory proteins including the E2F family of transcription factors, c-Abl tyrosine kinase, and proteins with a conserved LXCXE motif (2-4). Cell cycle-dependent phosphorylation by a CDK inhibits Rb target binding and allows cell cycle progression (5). Rb inactivation and subsequent cell cycle progression likely requires an initial phosphorylation by cyclin D-CDK4/6 followed by cyclin E-CDK2 phosphorylation (6). Specificity of different CDK/cyclin complexes has been observed in vitro (6-8) and cyclin D1 is required for Ser780 phosphorylation in vivo (9).
Species: Rabbit
Isotype: IgG
Storage/Stability: Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Synonyms: OSRC; RB; p105-Rb; pRb; pp110;
Immunogen: A synthetic peptideof human RB1
Purification: Affinity purification
Reactivity: H M R
Applications: WB IHC
Molecular Weight: 110kDa
Swiss-Prot No. : P06400
Gene ID: 5925
References: 1. Sherr, C.J. (1996) Science 274, 1672-7. 2. Nevins, J.R. (1992) Science 258, 424-9. 3. Welch, P.J. and Wang, J.Y. (1993) Cell 75, 779-90. 4. Hu, Q.J. et al. (1990) EMBO J 9, 1147-55. 5. Knudsen, E.S. and Wang, J.Y. (1997) Mol Cell Biol 17, 5771-83. 6. Lundberg, A.S. and Weinberg, R.A. (1998) Mol Cell Biol 18, 753-61. 7. Connell-Crowley, L. et al. (1997) Mol Biol Cell 8, 287-301. 8. Kitagawa, M. et al. (1996) EMBO J 15, 7060-9. 9. Geng, Y. et al. (2001) Proc Natl Acad Sci USA 98, 194-9.

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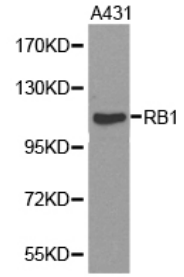
WB 1:500 - 1:2000

IHC 1:50- 1:200



Western blot analysis of extracts of A431cell lines, using RB1 antibody.

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