

Product Name: Rb Rabbit Polyclonal Antibody**Catalog #: APRab00081**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,IP
Reactivity	Human,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification	Affinity Chromatography

Application

Dilution Ratio	WB 1:500-1:1000,IHC 1:50-1:100,ICC/IF 1:50-1:200,IP 1:20-1:50
Molecular Weight	Calculated MW: 106 kDa; Observed MW: 106 kDa

Antigen Information

Gene Name	RB1
Alternative Names	RB1; Retinoblastoma-associated protein; p105-Rb; pRb; Rb; pp110
Gene ID	5925
SwissProt ID	P06400
Immunogen	A synthetic peptide corresponding to target protein

Background

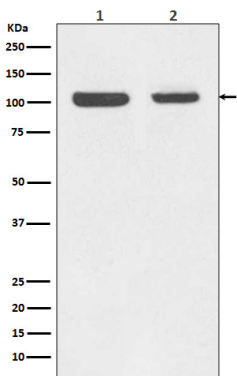
Cell cycle-dependent phosphorylation by a CDK inhibits Rb target binding and allows cell cycle progression. Rb inactivation and subsequent cell cycle progression likely requires an initial phosphorylation by cyclin D-CDK4/6 followed by cyclin E-CDK2

phosphorylation. Specificity of different CDK/cyclin complexes has been observed in vitro and cyclin D1 is required for Ser780 phosphorylation in vivo.

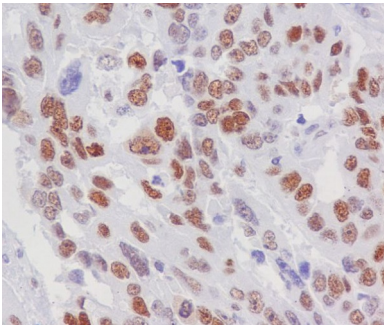
Research Area

Cell Biology

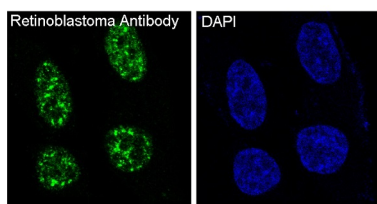
Image Data



Western blot analysis of Retinoblastoma in (1) Jurkat lysates; (2) MCF-7 lysates using Rb antibody.



Immunohistochemistry analysis of paraffin-embedded Human lung cancer using Retinoblastoma antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunofluorescence analysis of Rb in SH-SY5Y using Retinoblastoma antibody.