
Product Name: Phospho-Rb (Ser780) Rabbit Polyclonal Antibody**Catalog #: APRab00822**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Phosphorylated
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	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
Purification	Affinity Chromatography

Application

Dilution Ratio	WB 1:500-1:1000,IHC 1:50-1:100,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000
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	The antiserum was produced against synthesized peptide derived from human Retinoblastoma around the phosphorylation site of Ser780. AA range:751-800

Background

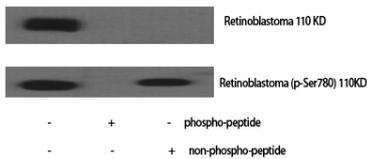
Cell cycle-dependent phosphorylation by a CDK inhibits Rb target binding and allows cell cycle progression. Rb inactivation

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.

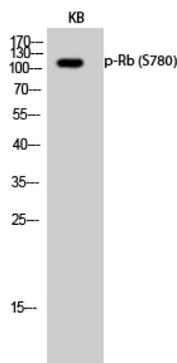
Research Area

Cell Biology

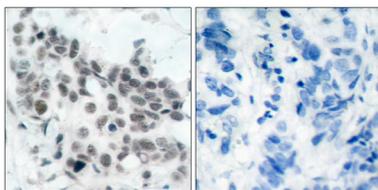
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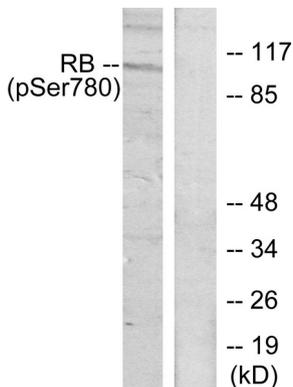
Western blot analysis of Phospho-Rb (Ser780) in various lysates using Phospho-Rb (S780) antibody.



Western blot analysis of Phospho-Rb (Ser780) in KB lysates using Phospho-Rb (S780) antibody.



Immunohistochemistry analysis of paraffin-embedded Human breast carcinoma using Retinoblastoma (Phospho-Ser78) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval. Sample with blocking peptide on the right.



Western blot analysis of Phospho-Rb (Ser780) in K562 lysates treated with serum 10% using Phospho-Rb (Ser780) antibody. The lane on the right is blocked with the Phospho-peptide.