

PHOSPHO-RB (SER780) RABBIT PAB

Cat.#: N225386

Product Name: Anti-Phospho-Rb (Ser780) Rabbit pAb

Synonyms: Rb1; Retinoblastoma-associated protein; p105-Rb; pRb; Rb; pp110

UNIPROT ID: P06400

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.

Immunogen: The antiserum was produced against synthesized peptide derived from human Retinoblastoma around the phosphorylation site of Ser780. AA range:751-800

Applications: WB,IHC-F,IHC-P,ICC/IF,ELISA

Recommended Dilutions: WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200 ELISA: 1/10000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Clone ID: -

MW: Calculated MW: 106 kDa; Observed MW: 106 kDa

Isotype: IgG

Purification: Affinity Chromatography

Species Reactivity: Human,Mouse,Rat

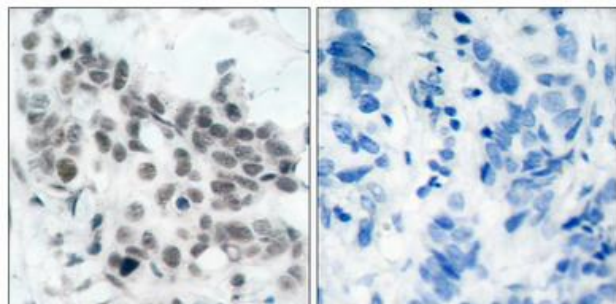
Conjugation: Unconjugated

Modification: Phosphorylated

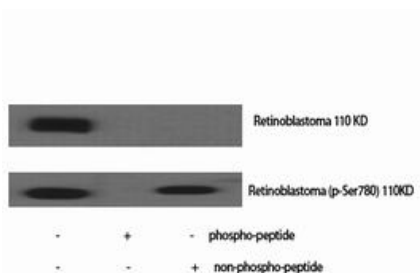
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

Research Areas: Cell Biology

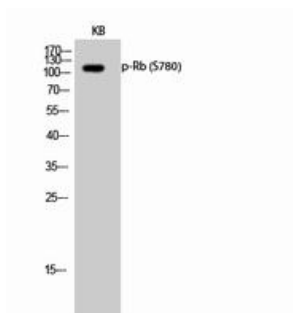
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



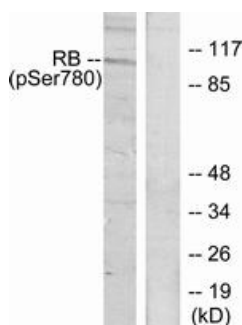
Immunohistochemistry analysis of paraffin-embedded Human breast carcinoma using Retinoblastoma (Phospho-Ser78) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval. Sample with blocking peptide on the right.



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



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



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.