

Product Datasheet

Phospho-Retinoblastoma (S780) Antibody

Catalog No: CY5260

Reactivity: Human

Isotype: Rabbit IgG

Applications: WB IHC



Information

UniProt ID: P06400

All Names: OSRC; RB; p105-Rb; pRb; RB1; pp110; Retinoblastoma 1; PPP1R130

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 110 kDa

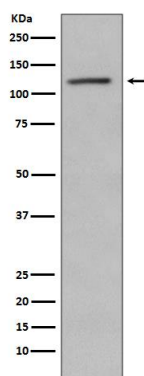
Application

WB: 1:500~1:1000

IHC: 1:50~1:200

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. 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. 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.



Western blot analysis of Retinoblastoma phosphorylation expression in Jurkat cell lysate treated with Alkaline Phosphatase.

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