

Phospho-RB1 (Ser795) Antibody



PACO24466

Product Information

Size:

100ul

Reactivity:

Human, Mouse, Rat

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, IHC, IF

Recommended dilutions:

ELISA:1:2000-1:10000, WB:1:500-1:1000,
IHC:1:50-1:100, IF:1:100-1:200

Protein Background:

Key regulator of entry into cell division that acts as a tumor suppressor. Acts as a transcription repressor of E2F1 target genes. The underphosphorylated, active form of RB1 interacts with E2F1 and represses its transcription activity, leading to cell cycle arrest. Directly involved in heterochromatin formation by maintaining overall chromatin structure and, in particular, that of constitutive heterochromatin by stabilizing histone methylation. Recruits and targets histone methyltransferases SUV39H1, SUV420H1 and SUV420H2, leading to epigenetic transcriptional repression. Controls histone H4 'Lys-20' trimethylation. Inhibits the intrinsic kinase activity of TAF1. In case of viral infections, interactions with SV40 large T antigen, HPV E7 protein or adenovirus E1A protein induce the disassembly of RB1-E2F1 complex thereby disrupting RB1's activity.

Gene ID:

RB1

Uniprot

P06400

Synonyms:

P105-RB; PP105; PP110; RB-1; RB1

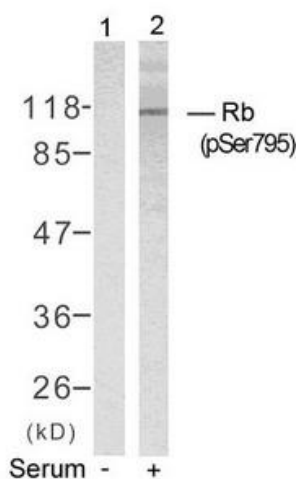
Immunogen:

Peptide sequence around phosphorylation site of serine 795 (P-S-S(p)-P-L) derived from Human Rb.

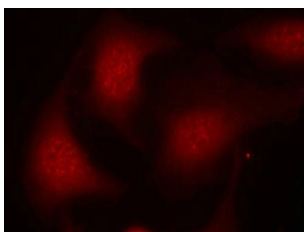
Storage:

Supplied at 1.0mg/mL in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

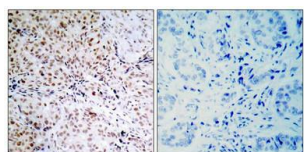
Product Images



Western blot analysis of extracts from K562 cells untreated(lane 1) or treated with serum(lane 2) using Rb(Phospho-Ser795) Antibody.



Immunofluorescence staining of methanol-fixed HeLa cells using Rb(Phospho-Ser795) Antibody.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Rb(Phospho-Ser795) Antibody(left) or the same antibody preincubated with blocking peptide(right).