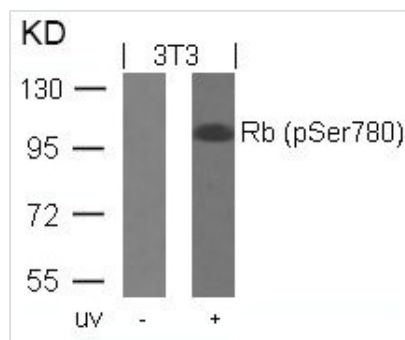


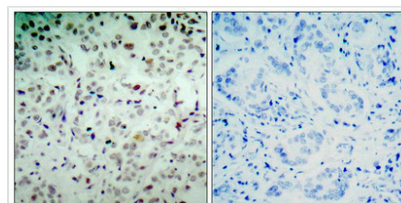


Phospho-RB1 (Ser780) Antibody

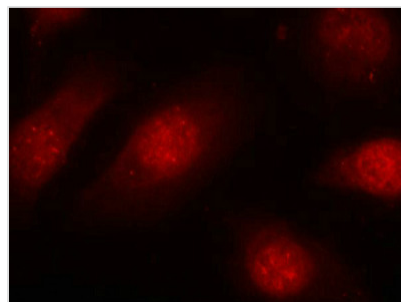
Product Code	CSB-PA133410
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P06400
Immunogen	Peptide sequence around phosphorylation site of serine 780 (T-L-S(p)-P-I) derived from Human Rb.
Raised In	Rabbit
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of Rb only when phosphorylated at serine 780.
Tested Applications	ELISA,WB,IHC,IF;WB:1:500-1:1000,IHC:1:50-1:100,IF:1:100-1:200
Relevance	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. Roesch A, et al.(2005) Mod Pathol. 18(4): 565-572. Huang H, et al.(2004)Oncogene. 23(12): 2161-2176. Kitagawa M, et al.(1996)EMBO J. 15(24): 7060-7069.
Form	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography
Clonality	Polyclonal
Alias	P105-RB; PP105; PP110; RB-1; RB1
Product Type	Polyclonal Antibody
Species	Homo sapiens (Human)
Target Names	RB1
Image	



Western blot analysis of extracts from 3T3 cells untreated or treated with UV using Rb(Phospho-Ser780) Antibody.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Rb(Phospho-Ser780) Antibody(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed Hela cells using Rb(Phospho-Ser780) Antibody.

Product Modify

Phospho-Ser780