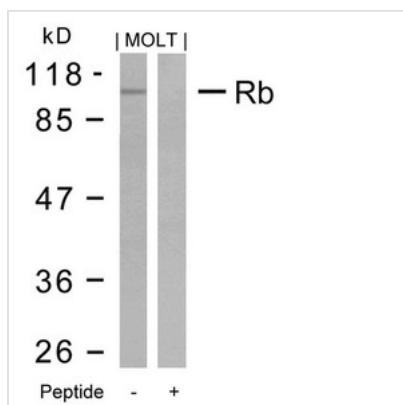




RB1 (Ab-795) Antibody

Product Code	CSB-PA990932
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P06400
Immunogen	Peptide sequence around aa.793~797 (P-S-S-P-L) derived from Human Rb.
Raised In	Rabbit
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total Rb protein.
Tested Applications	ELISA,WB;WB:1:500-1:1000
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. Chadee DN, et al. (2004) Nat Cell Biol. 6(8): 770-776. Knudsen ES, et al. (1997) Mol Cell Biol. 17(10): 5771-5783. Knudsen ES, et al. (1996) J Biol Chem. 271(14): 8313-8320.
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 peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
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 MOLT cells using Rb(Ab-795) Antibody and the same antibody preincubated with blocking peptide.