## For Research Use Only

## CoraLite® Plus 488-conjugated Phospho-RB1 (Ser780) Recombinant antibody



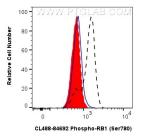
Catalog Number:CL488-84692

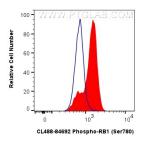
Catalog Number: CL488-84692	GenBank Accession Number: BC 039060	Purification Method: Protein A purification
	GeneID (NCBI): 9 5925	CloneNo.: 241827H7 Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Nanodrop; Source: Rabbit Isotype: IgG	UNIPROT ID: Po6400 Full Name: retinoblastoma 1 Calculated MW: 928 aa, 106 kDa Observed MW: 110 kDa	
Tested Applications: FC (Intra) Species Specificity: human		
of entry into cell division that acts as The underphosphorylated, active forr cell cycle arrest. It is directly involve and, in particular, that of constitutive histone methyltransferases SUV39H3 RB1 controls histone H4 'Lys-20' trime transcriptional repression by SMARC/ promoter. In resting neurons, transcrip phospho-RB1-HDAC1 repressor complex. I protein or adenovirus E1A protein inc	a tumor suppressor. RB1 acts as a t n of RB1 interacts with E2F1 and re d in heterochromatin formation by heterochromatin by stabilizing his t, SUV420H1 and SUV420H2, leadin ethylation and inhibits the intrinsic A4/BRG1 by recruiting a histone de ption of the c-FOS promoter is inhil lex. Upon calcium influx, RB1 is de n case of viral infections, interaction duce the disassembly of RB1-E2F1 of	ranscription repressor of E2F1 target genes. presses its transcription activity, leading to maintaining overall chromatin structure itone methylation. It recruits and targets og to epigenetic transcriptional repression. kinase activity of TAF1. It mediates acetylase (HDAC) complex to the c-FOS pited by BRG1-dependent recruitment of a ohosphorylated by calcineurin, which leads ons with SV40 large T antigen, HPV E7 complex thereby disrupting RB1's activity.
Storage Buffer: PBS with 50% Glycerol, 0.05% Proclin	n300, 0.5% BSA, pH 7.3.	nt.
	CL488-84692 Size: 100ul, Concentration: 1000 µg/ml by Nanodrop; Source: Rabbit Isotype: IgG Tested Applications: FC (Intra) Species Specificity: human RB1, also named as pp110, pRb and p of entry into cell division that acts as The underphosphorylated, active forr cell cycle arrest. It is directly involve and, in particular, that of constitutive histone methyltransferases SUV39H2 RB1 controls histone H4 'Lys-20' trime transcriptional repression by SMARC/ promoter. In resting neurons, transcri phospho-RB1-HDAC1 repressor complex. I protein or adenovirus E1A protein ino This antibody is a rabbit polyclonal a Storage: Storage Buffer: PBS with 50% Glycerol, 0.05% Procli	CL488-84692 BC039060   Size: GeneID (NCBI):   100ul, Concentration: 1000 µg/ml by 5925   Nanodrop; UNIPROT ID:   Source: P06400   Rabbit Full Name:   Isotype: retinoblastoma 1   IgG Calculated MW:   928 aa, 106 kDa Observed MW:   110 kDa Diserved MW:   120 kDa Observed MW:   110 kDa Tested Applications:   FC (Intra) Species Specificity:   human RB1, also named as pp110, pRb and p105 Rb, belongs to the retinoblasto of entry into cell division that acts as a tumor suppressor. RB1 acts as a the underphosphorylated, active form of RB1 interacts with E2F 1 and recell cycle arrest. It is directly involved in heterochromatin formation by and, in particular, that of constitutive heterochromatin by stabilizing his histone methyltransferases SUV39H1, SUV420H1 and SUV420H2, leadir RB1 controls histone H4 'Lys-20' trimethylation and inhibits the intrinsic transcriptional repression by SMARCA4/BRG1 by recruiting a histone de promoter. In resting neurons, transcription of the c-FOS promoter is inhilphospho-RB1-HDAC1 repressor complex. Upon calcium influx, RB1 is dej to release of the repressor complex. Upon calcium influx, RB1 is dej to release of the repressor complex. Upon calcium influx, RB1 is dej to release of the repressor complex. In case of viral infections, interaction protein or adenovirus E1A protein induce the disassembly of RB1-E2F1 or this antibody is a rabbit polyclonal antibody r

For technical support and original validation data for this product please contact:T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free<br/>in USA), or 1(312) 455-8498 (outside USA)E: proteintech@ptglab.comW: ptglab.comW: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data





1X10^6 K-562 cells untreated (dashed lines) or treated with  $\lambda$  phosphatase which intracellularly stained with 0.25 ug Coralite® Plus 488 Phospho-Rb1 (Ser780) Recombinant Antibody (CL488-84692, Clone:241827H7)(red), or 0.25 ug Coralite® Plus 488 Rabbit 1gG Isotype Control RecAb (CL488-98136, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with 90% MeOH. 1x10^6 K-562 cells were intracellularly stained with 0.25 ug Coralite® Plus 488 Phospho-Rb1 (Ser780) Recombinant Antibody (CL488-84692, Clone:241827H7)(red), or 0.25 ug Coralite® Plus 488 Rabbi IgG Isotype Control RecAb (CL488-98136, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with 90% MeOH.