CoraLite® Plus 488-conjugated RB1 Monoclonal antibody

Catalog Number: CL488-67521

| Basic Information | Catalog Number: CL488-67521 | GenBank Accession Number: BC039060 | Purification Method: Protein A purification |
|--|---|---|--|
| | Size: 100ul, Concentration: 1000 µg/ml by Nanodrop; Source: Mouse Isotype: IgG2a Immunogen Catalog Number: AG22578 | GeneID (NCBI): 5925 | CloneNo.: 1A2A6 |
| | | UNIPROT ID: P06400 Full Name: retinoblastoma 1 Calculated MW: 928 aa, 106 kDa Observed MW: | Recommended Dilutions: IF/ICC 1:50-1:500 |
| | | | Excitation/Emission maxima wavelengths: 493 nm / 522 nm |
| | | | |
| | | Applications | |
| IF/ICC, FC (Intra) Species Specificity: | IF/ICC : hTEI | | RT-RPE1 cells, SH-SY5Y cells |
| | human | | |
| Background Information | human RB1, also named as pp110, pRb and p2 of entry into cell division that acts as The underphosphorylated, active form cell cycle arrest. It is directly involved and, in particular, that of constitutive histone methyltransferases SUV39H1 RB1 controls histone H4 'Lys-20' trime transcriptional repression by SMARCA promoter. In resting neurons, transcrip phospho-RB1-HDAC1 repressor complex. In | a tumor suppressor. RB1 acts as a tran n of RB1 interacts with E2F1 and repre d in heterochromatin formation by m heterochromatin by stabilizing histo , SUV420H1 and SUV420H2, leading thylation and inhibits the intrinsic ki k4/BRG1 by recruiting a histone deace ation of the c-FOS promoter is inhibit ex. Upon calcium influx, RB1 is dephen n case of viral infections, interactions | etylase (HDAC) complex to the c-FOS ed by BRG1-dependent recruitment of a osphorylated by calcineurin, which leads |

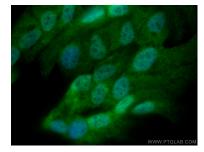
For technical support and original validation data for this product please contact:T: 1 (888) 4PTGLAB (1-888-478-4522) (toll freeE: proteintech@ptglab.comin USA), or 1(312) 455-8498 (outside USA)W: ptglab.com

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

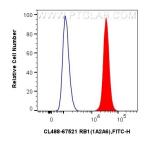
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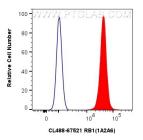
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed hTERT-RPE1 cells using CoraLite® Plus 488 RB1 antibody (CL488-67521, Clone: 1A2A6) at dilution of 1:200.



1X10^6 HepG2 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human RB1 (CL488-67521, Clone:1A2A6) (red), or 0.4 ug CoraLite® Plus 488 Mouse IgG2a Isotype Control (C1.18.4) (CL488-65208, Clone: C1.18.4) (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.



1X10^6 Jurkat cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human RB1 (CL488-67521, Clone:1A2A6) (red), or 0.4 ug CoraLite® Plus 488 Mouse IgG2a Isotype Control (C1.18.4) (CL488-65208, Clone: C1.18.4) (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.