

For Research Use Only

Phospho-RB1 (Ser807/811) Polyclonal antibody



Catalog Number: 30376-1-AP

Basic Information

Catalog Number: 30376-1-AP	GenBank Accession Number: BC039060	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 500 µg/ml by Nanodrop;	GeneID (NCBI): 5925	Recommended Dilutions: WB 1:2000-1:10000
Source: Rabbit	Full Name: retinoblastoma 1	
Isotype: IgG	Calculated MW: 928 aa, 106 kDa	
	Observed MW: 110 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : Calyculin A treated Jurkat cells, Jurkat cells
Species Specificity: Human	

Background Information

RB1, also named as pp110, pRb and p105 Rb, belongs to the retinoblastoma protein (RB) family. Phosphorylation and dephosphorylation of RB1 is well known to be a key regulator in cell cycle progression in cancer cells. Phosphorylation of RB1 at multiple S/T residues, first by cyclin D-dependent kinases and subsequently by cyclin E-CDK2 in later G1 phase, completely inactivates RB1, enabling the release of E2F from RB1 complexes and activation of E2F-mediated transcription. Monomethylation at Lys810 by SMYD2 enhances phosphorylation at Ser807 and Ser811, and promotes cell cycle progression. (PMID: 22787429, PMID: 21115810, PMID: 32344731)

Storage

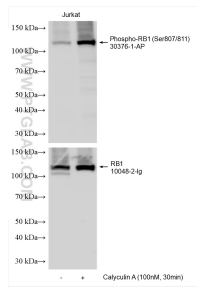
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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

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Selected Validation Data



Non-treated and Calyculin A treated Jurkat cells were subjected to SDS PAGE followed by western blot with 30376-1-AP (Phospho-RB1 (Ser807/811) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with RB1 antibody (10048-2-Ig) subsequently.