

For Research Use Only

RPAIN Monoclonal antibody

Catalog Number: 68546-1-Ig



Basic Information

Catalog Number: 68546-1-Ig	GenBank Accession Number: BC004451	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 84268	CloneNo.: 2D8E3
Source: Mouse	Full Name: RPA interacting protein	Recommended Dilutions: WB 1:2000-1:10000
Isotype: IgG1	Calculated MW: 25 kDa	
Immunogen Catalog Number: AG7844	Observed MW: 25 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : A549 cells, Jurkat cells, A2780 cells, LNCap cells, K-562 cells
Species Specificity: Human	

Background Information

Replication protein A (RPA) is a eukaryotic single-stranded DNA binding protein that is essential for DNA replication, repair, and recombination, and human RPA interacting protein α (hRIP α) is the nuclear transporter of RPA. RPAIN was originally identified as a nuclear transporter of RPA in *Xenopus* (PMID: 23010595). The human RPA gene encodes several splice isoforms, of which hRIP α and hRIP β are the major translation products in vivo. hRIP α transports RPA into the nucleus by shuttling between the cytoplasm and nucleus while hRIP β is localized in promyelocytic leukemia (PML) nuclear bodies.

Storage

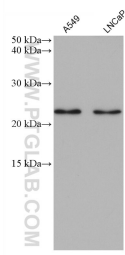
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

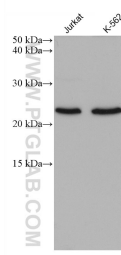
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68546-1-Ig (RPAIN antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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