

For Research Use Only

RPA1 Polyclonal antibody

Catalog Number: 12448-1-AP

1 Publications



Basic Information

Catalog Number:

12448-1-AP

Size:

400 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3067

GenBank Accession Number:

BC018126

GeneID (NCBI):

6117

UNIPROT ID:

P27694

Full Name:

replication protein A1, 70kDa

Calculated MW:

616 aa, 68 kDa

Observed MW:

70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

human

Positive Controls:

WB : HEK-293 cells, K-562 cells, Y79 cells, A431 cells, HeLa cells

Background Information

Replication protein A 1 (RPA1) is a subunit of a stable heterotrimer replication protein A (RPA), which is conserved in almost all eukaryotic species (PMID: 27151292). Usually, RPA1, RPA2 and RPA3 function as a whole to participate in DNA replication, telomere maintenance, DNA recombination, DNA repair, and activation of DNA damage checkpoints. In the cell, RPA has a higher affinity to bind single strand DNA and then to form a fork protection complex with other components such as PTEN and OTUB1, thus maintains genome stability during replication (PMID: 26403191; PMID: 18469000).

Notable Publications

Author	Pubmed ID	Journal	Application
Ma-Sha Huang	31249811	Front Oncol	WB

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

For technical support and original validation data for this product please contact:

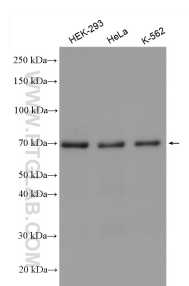
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 12448-1-AP (RPA1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.