

For Research Use Only

RPA1 Polyclonal antibody

Catalog Number: 12448-1-AP **1 Publications**



Basic Information

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| Catalog Number: 12448-1-AP | GenBank Accession Number: BC018126 | Purification Method: Antigen affinity purification |
| Size: 400 µg/ml | GeneID (NCBI): 6117 | Recommended Dilutions: WB 1:500-1:3000 |
| Source: Rabbit | UNIPROT ID: P27694 | |
| Isotype: IgG | Full Name: replication protein A1, 70kDa | |
| Immunogen Catalog Number: AG3067 | Calculated MW: 616 aa, 68 kDa | |
| | Observed MW: 70 kDa | |

Applications

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|---|---|
| Tested Applications: WB, ELISA | Positive Controls: WB : HEK-293 cells, K-562 cells, Y79 cells, A431 cells, HeLa cells |
| Cited Applications: WB | |
| Species Specificity: human, mouse | |
| Cited Species: human | |

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 |

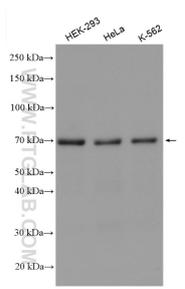
Storage

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:
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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.