# Replication protein A 32 kDa subunit Polyclonal Antibody

Catalog No: #42269

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## Description

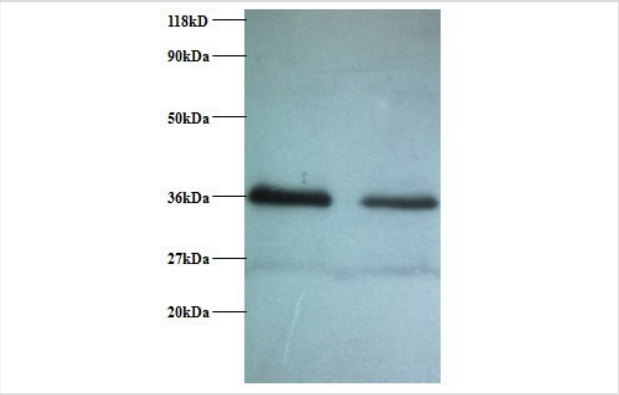
| | |
|---|---|
| Product Name | Replication protein A 32 kDa subunit Polyclonal Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Purification | Caprylic Acid Ammonium Sulfate Precipitation purified |
| Applications | WB IHC |
| Species Reactivity | Hu |
| Specificity | The antibody detects endogenous level of total Replication protein A 32 kDa subunit polyclonal antibody. |
| Immunogen Type | protein |
| Immunogen Description | Recombinant human Replication protein A 32 kDa subunit protein |
| Target Name | Replication protein A 32 kDa subunit |
| Other Names | Replication factor A protein 2, Replication protein A 34 kDa subunit, REPA2, RPA32, RPA34, RPA2 |
| Accession No. | Swiss-Prot#: P15927 |
| Uniprot | P15927 |
| GeneID | 6118; |
| Calculated MW | 32kd |
| Formulation | Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4 |
| Storage | Store at -20°C |

## Application Details

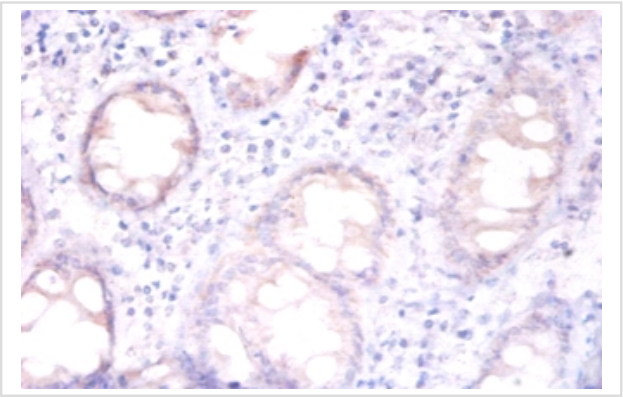
Western blotting: 1:500 - 1:1000

Immunohistochemistry: 1:20 - 1:200

## Images




All lanes : Replication protein A 32 kDa subunit antibody at 2ug/ml
Lane 1 : EC109 whole cell lysate
Lane 2 : 293T whole cell lysate
Secondary
Goat polyclonal to Rabbit IgG at 1/15000 dilution
Predicted band size :32 kDa
Observed band size: 32kDa



Immunohistochemical analysis of paraffin-embeded using human colorectal carcinoma using #42269 at dilution of 1:100.

## Background

Required for DNA recombination, repair and replication. The activity of RP-A is mediated by single-stranded DNA binding and protein interactions. Functions as component of the alternative replication protein A complex (aRPA). aRPA binds single-stranded DNA and probably plays a role in DNA repair; it does not support chromosomal DNA replication and cell cycle progression through S-phase. In vitro, aRPA cannot promote efficient priming by DNA polymerase alpha but supports DNA polymerase delta synthesis in the presence of PCNA and replication factor C (RFC), the dual incision/excision reaction of nucleotide excision repair and RAD51-dependent strand exchange.

## References

[1] "The primary structure of the 32-kDa subunit of human replication protein A."Erdile L.F., Wold M.S., Kelly T.J.J. Biol. Chem. 265:3177-3182(1990)
[2] "Cloning of human full open reading frames in Gateway(TM) system entry vector (pDONR201)." Ebert L

Note: This product is for in vitro research use only