

## RPA 14 kDa subunit antibody

Catalog No: #22947

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

Product Name	RPA 14 kDa subunit antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Purified by antigen-affinity chromatography.
Applications	WB IHC
Species Reactivity	Hu
Immunogen Type	Recombinant protein
Immunogen Description	Recombinant protein fragment contain a sequence corresponding to a region within amino acids 1 and 91 of RPA 14 kDa subunit
Target Name	RPA 14 kDa subunit
Accession No.	NCBI Gene ID: 6119NCBI mRNA#: NM_002947NCBI Protein#: NP_002938
Concentration	1mg/ml
Formulation	Supplied in 1XPBS, 1%BSA, 20% Glycerol (pH7.0). 0.01% Thimerosal was added as a preservative.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

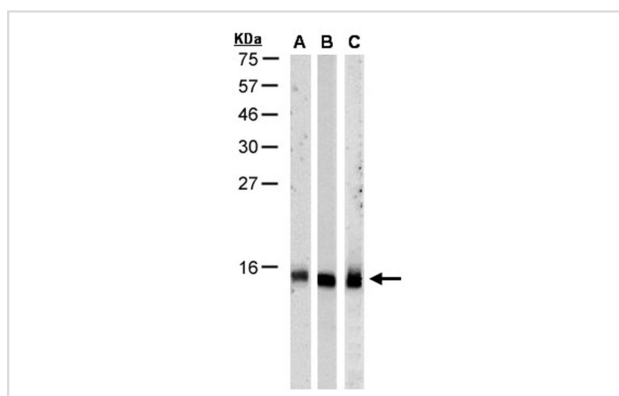
## Application Details

Predicted MW: 14kd

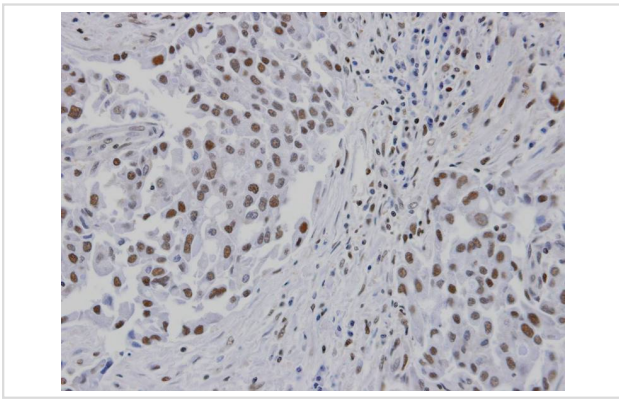
Western blotting: 1:500-1:3000

Immunohistochemistry: 1:100-1:250

## Images



Sample(30 ug of whole cell lysate)  
 A: HeLa S3  
 B: Hep G2  
 C: MOLT4  
 15% SDS PAGE  
 Primary antibody diluted at 1: 1000



Immunohistochemical analysis of paraffin-embedded lung CA patient tumor, using RPA 14 kDa subunit antibody at 1: 100 dilution.

## 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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.