

# Datasheet for ABIN2786755 anti-RPA1 antibody (Middle Region)

## 2 Images



Go to Product page

()	ve	rvi	6	W
$\sim$	v C	1 V I	$\sim$	v v

Quantity:	100 μL	
Target:	RPA1	
Binding Specificity:	Middle Region	
Reactivity:	Human, Mouse, Rat, Rabbit, Guinea Pig, Cow, Dog, Horse, Sheep, Pig, Saccharomyces cerevisiae, Zebrafish (Danio rerio)	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This RPA1 antibody is un-conjugated	
Application:	Western Blotting (WB)	
Product Details		
Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human RPA1	
Sequence:	SRGEGKLFSL ELVDESGEIR ATAFNEQVDK FFPLIEVNKV YYFSKGTLKI	
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 100%, Sheep: 100%, Yeast: 93%, Zebrafish: 92%	
Characteristics:	This is a rabbit polyclonal antibody against RPA1. It was validated on Western Blot using a cell lysate as a positive control.	
Purification:	Affinity Purified	
Target Details		
ranget betane		

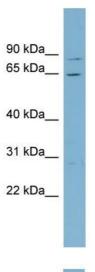
### Target Details

Alternative Name:	RPA1 (RPA1 Products)	
Background:	RPA1 plays an essential role in several cellular processes in DNA metabolism including replication, recombination and DNA repair. RPA1 binds and subsequently stabilizes single-stranded DNA intermediates and thus prevents complementary DNA from reannealing Alias Symbols: HSSB, REPA1, RF-A, RP-A, RPA70, MST075  Protein Interaction Partner: STRA13, UBC, MTUS2, APITD1, PCNA, SUM02, FBX018, ATRX, MAP4, CAPRIN1, LM07, LIG3, LDHA, ITGB1, IMPDH2, ILF3, ILF2, HSPB1, HSPA8, HSPA5, HNRNPU, HNRNPL, HNRNPK, HNRNPH1, HNRNPF, HNRNPD, HNRNPAB, HNRNPA2B1, HNRNPA1, HCFC1, GTF3C2, GTF2I, GTF2H3, GAPDH, XRCC  Protein Size: 616	
Molecular Weight:	68 kDa	
Gene ID:	6117	
NCBI Accession:	NM_002945, NP_002936	
UniProt:	P27694	
Pathways:	Telomere Maintenance, DNA Damage Repair, Mitotic G1-G1/S Phases, DNA Replication, Chromatin Binding, Synthesis of DNA	
Application Details		
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.	
Comment:	Antigen size: 616 AA	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	Lot specific	
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	

#### Handling

Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### **Images**

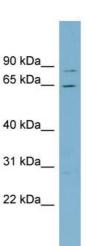


#### **Western Blotting**

Image 1. WB Suggested Anti-RPA1 Antibody Titration: 0.2-

1 ug/ml

Positive Control: Hela cell lysate



#### **Western Blotting**

Image 2. WB Suggested Anti-RPA1

Antibody Titration: 0.2-1 µg/mL

Positive Control: Hela cell lysate

RPA1 is strongly supported by BioGPS gene expression data

to be expressed in Human HeLa cells