

Datasheet for ABIN2786755
anti-RPA1 antibody (Middle Region)



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2 Images

Overview

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 YYFSKGTLLKI
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

Target:	RPA1
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Target Details

Alternative Name:	RPA1 (RPA1 Products)
Background:	<p>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</p> <p>Alias Symbols: HSSB, REPA1, RF-A, RP-A, RPA70, MST075</p> <p>Protein Interaction Partner: STRA13, UBC, MTUS2, APITD1, PCNA, SUM02, FBXO18, ATRX, MAP4, CAPRIN1, LMO7, LIG3, LDHA, ITGB1, IMPDH2, ILF3, ILF2, HSPB1, HSPA8, HSPA5, HNRNPU, HNRNPL, HNRNPK, HNRNPH1, HNRNPF, HNRNPD, HNRNPAB, HNRNPA2B1, HNRNPA1, HCFC1, GTF3C2, GTF2I, GTF2H3, GAPDH, XRCC</p> <p>Protein Size: 616</p>
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