



# Anti-RPA1 (aa 1-110) polyclonal antibody (DPAB-DC2722)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	RPA1 (replication protein A1, 70kDa) is a protein-coding gene. Diseases associated with RPA1 include xeroderma pigmentosum, group a, and miller-dieker syndrome, and among its related super-pathways are Lagging Strand Synthesis and Activation of the pre-replicative complex. GO annotations related to this gene include chromatin binding and single-stranded DNA binding.
<b>Immunogen</b>	RPA1 (AAH18126, 1 a.a. ~ 110 a.a) partial recombinant protein with GST tag. The sequence is  MVGQLSEGAIAAIMQKGDTNIKPILQVINIRPITTGNNSPPRYRLLMSDGLNTLSSFMLAT QLNPLVEEEQLSSNCVCQIHRFIVNTLKDGRVVILMELEVLSAEAVGV
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Cell lysate), WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

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<b>Gene Name</b>	<a href="#">RPA1 replication protein A1, 70kDa [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	RPA1
<b>Synonyms</b>	RPA1; replication protein A1, 70kDa; HSSB; RF-A; RP-A; REPA1; RPA70; MST075; replication protein A 70 kDa DNA-binding subunit; MSTP075; RP-A p70; RF-A protein 1; replication factor A protein 1; single-stranded DNA-binding protein;
<b>Entrez Gene ID</b>	<a href="#">6117</a>
<b>Protein Refseq</b>	<a href="#">NP_002936</a>
<b>UniProt ID</b>	<a href="#">P27694</a>
<b>Chromosome Location</b>	17p13.3
<b>Pathway</b>	Activation of ATR in response to replication stress; Assembly of the RAD51-ssDNA nucleoprotein complex; Cell Cycle Checkpoints; Cellular response to heat stress
<b>Function</b>	chromatin binding; damaged DNA binding; metal ion binding; protein binding

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