



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

Antigen Description	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.
Immunogen	RPA1 (AAH18126, 1 a.a. ~ 110 a.a) partial recombinant protein with GST tag. The sequence is MVGQLSEGAIAAIMQKGDNTNIKPIQVINIRPITGNSPPRYRLLMSDGLNTLSSFMLAT QLNPLVEEEQLSSNCVCQIHRFIVNTLKDGRRVVILMELEVLKSAEAVGV
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Cell lysate), WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	RPA1 replication protein A1, 70kDa [Homo sapiens (human)]
Official Symbol	RPA1
Synonyms	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;
Entrez Gene ID	6117
Protein Refseq	NP_002936
UniProt ID	P27694
Chromosome Location	17p13.3
Pathway	Activation of ATR in response to replication stress; Assembly of the RAD51-ssDNA nucleoprotein complex; Cell Cycle Checkpoints; Cellular response to heat stress
Function	chromatin binding; damaged DNA binding; metal ion binding; protein binding