



RPA1 Monoclonal Antibody

Product Code	CSB-MA593248
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Immunogen	Purified recombinant Human RPA70 protein fragments expressed in E.coli.
Raised In	Mouse
Species Reactivity	Human,Monkey,Mouse,Rat
Specificity	This antibody detects endogenous levels of RPA70 and does not cross-react with related proteins.
Tested Applications	ELISA,WB,ICC,IP;Recommended dilution:WB:1:500-1:5000,ICC:1:50-1:200IP:1:200-1:2000
Relevance	Plays an essential role in several cellular processes in DNA metabolism including replication,recombination and DNA repair.Binds and subsequently stabilizes single-stranded DNA intermediates and thus prevents complementary DNA from reannealing.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.
Form	Purified mouse monoclonal antibody in PBS(pH 7.4) containing with 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity purified
Isotype	IgG2a
Clonality	Monoclonal
Alias	Dmrpa1; Drosophila Replication Protein A; DRPA; HSSB; Human single stranded DNA binding protein; MST075; MSTP075; p70; REPA1; Replication factor A; Replication factor A protein 1; Replication protein A 70 kDa DNA-binding subunit;
Product Type	Monoclonal Antibody