

Product name:	RPA-70 Monoclonal Antibody
Cat number:	MAB-94700
Conjugate:	Unconjugated
Size:	100ug
Clone:	EPR3472
Concentration:	1mg/ml
Host:	Rb
Isotype:	IgG
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human RPA70/RPA1 (P27694).
Reactivity:	Hu, Rt
Applications:	WB 1:500 - 1:2000; IP 1:50 - 1:200
Molecular Weight:	70kDa
Purification:	Aff. Pr
Form:	Liquid
Buffer:	PBS with 0.01% thiomersal, 0.05% BSA, 50% glycerol, pH7.3.
Storage:	Store at -20°C.
Background:	As part of the heterotrimeric replication protein A complex (RPA/RP-A, binds and stabilizes single-stranded DNA intermediates, that form during DNA replication or upon DNA stress. It prevents their reannealing and in parallel, recruits and activates different proteins and complexes involved in DNA metabolism. Thereby, it plays an essential role both in DNA replication and the cellular response to DNA damage. In the cellular response to DNA damage, the RPA complex controls DNA repair and DNA damage checkpoint activation.