

RPA32/RPA2 (12Y19) Rabbit Monoclonal Antibody

Catalog# UZ-MA03932

Product information

产品货号	UZ-MA03932
别名	REPA2; RPA32; RP-A p32; RP-A p34
产品名称	RPA32/RPA2 (12Y19) Rabbit Monoclonal Antibody
类别	抗体产品
推荐应用	WB,IHC-P,IF-P
反应种属	Human,Rat
存储缓冲液	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% BSA.
免疫原	A synthetic peptide of human RPA32/RPA2
稀释度	WB 1:1000-1:5000, IHC-P/IF-P 1:50-1:500
参考分子量	29kDa
预测分子量	29kDa
运输及保存条件	-20°C/1 year
宿主	Rabbit
同种型	IgG
背景介绍	This gene encodes a subunit of the heterotrimeric Replication Protein A (RPA) complex, which binds to single-stranded DNA (ssDNA), forming a nucleoprotein complex that plays an important role in DNA metabolism, being involved in DNA replication, repair, recombination, telomere maintenance, and co-ordinating the cellular response to DNA damage through activation of the ataxia telangiectasia and Rad3-related protein (ATR) kinase. The RPA complex protects single-stranded DNA from nucleases, prevents formation of secondary structures that would interfere with repair, and co-ordinates the recruitment and departure of different genome maintenance factors. The heterotrimeric complex has two different modes of ssDNA binding, a low-affinity and high-affinity mode, determined by which oligonucleotide/oligosaccharide-binding (OB) domains of the complex are utilized, and differing in the length of DNA bound. This subunit contains a single OB domain that participates in high-affinity DNA binding and also contains a winged helix domain at its carboxy terminus, which interacts with many genome maintenance proteins. Post-translational modifications of the RPA complex also play a role in co-ordinating different damage response pathways. [provided by RefSeq, Sep 2017]
纯化	Affinity Purification
Uniprot ID	P15927
Clonality	Monoclonal