

**Phospho-RPA32/RPA2 (Thr21) Rabbit pAb**

db2328

Package : 20µL 50µL 100µL

**Product Name** : Phospho-RPA32/RPA2 (Thr21) Rabbit pAb**Cat.No.:** db2328**Synonyms** : REPA2; RPA32; RP-A p32; RP-A p34**Application** : WB, IP**Reactivity** : Human, Mouse, Rat**Host species** : Rabbit**Background**

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 protein. Post-translational modifications of the RPA complex also plays a role in co-ordinating different damage response pathways. [provided by RefSeq, Sep 2017]

**Immunogen**

A synthetic phosphopeptide corresponding to residues surrounding Thr21 of human RPA32/RPA2

**Gene ID**

6118

**Swiss Prot**

P15927

**Synonyms**

REPA2; RPA32; RP-A p32; RP-A p34

**Reactivity**

Human, Mouse, Rat

**Application**

WB, IP

**Recommended dilution**

WB: 1:10000

IP: 1:20

**Calculated MW**

29 kDa

**Observed MW**

32 kDa

<b>Host species</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity Purification
<b>Conjugation</b>	Un-conjugated
<b>Storage Stability</b>	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.