



RPA32/RPA2 (DGR34306) Rat mAb

db23195 Package : 10μL 20μL 50μL 100μL

Product Name: RPA32/RPA2 (DGR34306) Rat mAb

Cat.No.: db23195

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

Application: WB, ICC/IF

Reactivity: Human, Mouse, Rat

Host species: Rat

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 Recombinant protein 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, ICC/IF

Recommended dilution WB: 1:1000

ICC/IF: 1:50

Calculated MW 29 kDa

Observed MW 29 kDa



For Research Use Only **Product Datasheet**

Host species Rat

Clonality Monoclonal

Clonality No. DGR34306

Isotype IgG1

Purity Affinity Purification

Conjugation Un-conjugated

Storage Stability 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.