

Recombinant

DGRmAb®

RPA32 (DGR21084) Rabbit mAb

db14228

Package : 10µL 20µL 50µL 100µL

Product Name : RPA32 (DGR21084) Rabbit mAb**Cat.No.:** db14228**Synonyms :** REPA2; RPA32; RP-A p32; RP-A p34**Application :** WB, IHC-P, ICC/IF, FC, IP**Reactivity :** Human**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

Recombinant protein of human RPA32/RPA2

Gene ID

6118

Swiss Prot

P15927

Synonyms

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

Reactivity

Human

Application

WB, IHC-P, ICC/IF, FC, IP

Recommended dilution

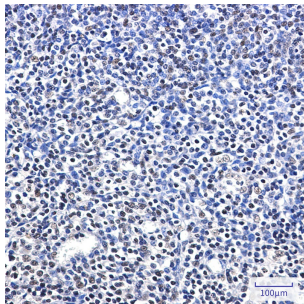
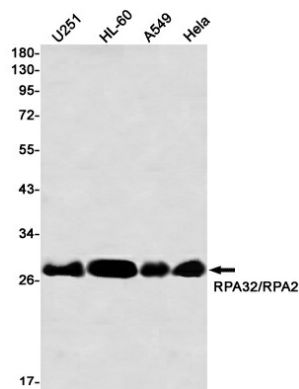
WB: 1:1000

IHC-P: 1:1000-1:5000

ICC/IF: 1:100

FC: 1:200-1:500

	IP: 1:20-1:50
Calculated MW	29 kDa
Observed MW	29 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR21084
Isotype	IgG
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.



Immunohistochemical analysis of paraffin-embedded human tonsil using db14228 antibody.