

Recombinant

DGRmAb®

RPA32/RPA2 (DGR15080) Rabbit mAb (PBS Only)

db11362-PBS

Package : 100µg

Product Name : RPA32/RPA2 (DGR15080) Rabbit mAb (PBS Only)**Cat.No.:** db11362-PBS**Synonyms** : REPA2; RPA32; RP-A p32; RP-A p34**Application** : WB, IHC**Reactivity** : Human, 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 peptide of human RPA32/RPA2

Gene ID

6118

Swiss Prot

P15927

Synonyms

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

Reactivity

Human, Rat

Application

WB, IHC

Recommended dilution

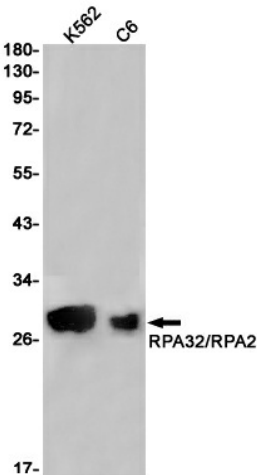
WB: 1:1000-1:5000

IHC: 1:50-1:500

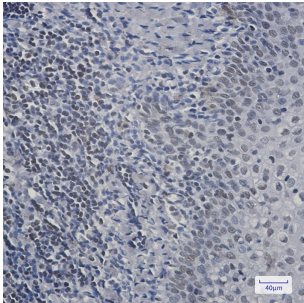
Calculated MW

29 kDa

Observed MW	29 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR15080
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Concentration	1 mg/ml
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



Western blot detection of RPA32/RPA2 in K562,C6 cell lysates using [db11362](#)(1:1000 diluted).



Immunohistochemical analysis of paraffin-embedded human tonsil using [db11362](#)