

Recombinant

DGRmAb®

RPA70 (DGR33658) Rabbit mAb

db11448

Package : 10µL 20µL 50µL 100µL

Product Name : RPA70 (DGR33658) Rabbit mAb**Cat.No.:** db11448**Synonyms :** HSSB; RF-A; RP-A; REPA1; RPA70; MST075**Application :** WB**Reactivity :** Human**Host species :** Rabbit**Background**

This gene encodes the largest 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 nucleoprotein complex protects the 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. This subunit contains four oligonucleotide/oligosaccharide-binding (OB) domains, though the majority of ssDNA binding occurs in two of these domains. The heterotrimeric complex has two different modes of ssDNA binding, a low-affinity and high-affinity mode, determined by which ssDNA binding domains are utilized. The different binding modes differ in the length of DNA bound and in the proteins with which it interacts, thereby playing a role in regulating different genomic maintenance pathways. [provided by RefSeq, Sep 2017]

Immunogen

A synthetic peptide of human RPA70

Gene ID

6117

Swiss Prot

P27694

Synonyms

HSSB; RF-A; RP-A; REPA1; RPA70; MST075

Reactivity

Human

Application

WB

Recommended dilution

WB: 1:2000-1:20000

Calculated MW

68 kDa

Observed MW

70 kDa

Host species

Rabbit

Clonality	Monoclonal
Clonality No.	DGR33658
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.
	Western blot detection of RPA70 in A549,HL-60 cell lysates using RPA70 antibody(1:1000 diluted).