Replication protein A 32 kDa subunit Polyclonal Conjugated Antibody

Catalog No: #C42269

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Package Size: #C42269-AF350 100ul #C42269-AF405 100ul #C42269-AF488 100ul #C42269-AF555 100ul #C42269-AF594 100ul #C42269-AF647 100ul #C42269-AF680 100ul #C42269-AF750 100ul #C42269-Biotin 100ul

Description

Product Name	Replication protein A 32 kDa subunit Polyclonal Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total Replication protein A 32 kDa subunit polyclonal antibody.
Immunogen Description	Recombinant human Replication protein A 32 kDa subunit protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	Replication factor A protein 2,Replication protein A 34 kDa subunit,REPA2, RPA32, RPA34,RPA2
Accession No.	Swiss-Prot#:P15927
Uniprot	P15927
GeneID	6118;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	32
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

Required for DNA recombination, repair and replication. The activity of RP-A is mediated by single-stranded DNA binding and protein interactions. Functions as component of the alternative replication protein A complex (aRPA). aRPA binds single-stranded DNA and probably plays a role in DNA repair; it does not support chromosomal DNA replication and cell cycle progression through S-phase. In vitro, aRPA cannot promote efficient priming by DNA polymerase alpha but supports DNA polymerase delta synthesis in the presence of PCNA and replication factor C (RFC), the dual incision/excision reaction of nucleotide excision repair and RAD51-dependent strand exchange.

Note: This product is for in vitro research use only