

## RPA2 Conjugated Antibody

Catalog No: #C42740



Package Size: #C42740-AF350 100ul #C42740-AF405 100ul #C42740-AF488 100ul  
 #C42740-AF555 100ul #C42740-AF594 100ul #C42740-AF647 100ul  
 #C42740-AF680 100ul #C42740-AF750 100ul #C42740-Biotin 100ul

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## Description

Product Name	RPA2 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total RPA2 protein.
Immunogen Description	Full length fusion protein of human RPA2
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	REPA2; RPA32; RP-A p32; RP-A p34
Accession No.	Swiss-Prot#:P15927NCBI Gene ID:6118NCBI mRNA#:BC001630NCBI Protein#:
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	29KD
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

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Replication protein A 32 kDa subunit is a protein that in humans is encoded by the RPA2 gene. As part of the heterotrimeric replication protein A complex (RPA/RP-A), binds and stabilizes single-stranded DNA intermediates, that form during DNA replication or upon DNA stress. It prevents their reannealing and in parallel, recruits and activates different proteins and complexes involved in DNA metabolism. Thereby, it plays an essential role both in DNA replication and the cellular response to DNA damage.

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Note: This product is for in vitro research use only