RPA70 Conjugated Monoclonal Antibody

Catalog No: #C27212

Package Size: #C27212-AF350 100ul #C27212-AF405 100ul #C27212-AF488 100ul #C27212-AF555 100ul #C27212-AF594 100ul #C27212-AF647 100ul #C27212-AF680 100ul #C27212-AF750 100ul #C27212-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	RPA70 Conjugated Monoclonal Antibody
Host Species	Mouse
Clonality	Monoclonal
Specificity	This antibody detects endogenous levels of RPA70 and does not cross-react with related proteins.
Immunogen Description	Purified recombinant human RPA70 protein fragments expressed in E.coli.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	Dmrpa1; Drosophila Replication Protein A; DRPA; HSSB; Human single stranded DNA binding protein; MST075; MSTP075; p70; REPA1; Replication factor A; Replication factor A protein 1; Replication protein A 70 kDa DNA-binding subunit;
Accession No.	Swiss-Prot#: P27694NCBI Gene ID:6117
Uniprot	P27694
GeneID	6117;
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
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

Plays an essential role in several cellular processes in DNA metabolism including replication,recombination and DNA repair.Binds and subsequently stabilizes single-stranded DNA intermediates and thus prevents complementary DNA from reannealing.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