

RPA70 Antibody (YA678)

Cat. No.:	HY-P80884
Synonyms:	RPA70 Antibody (YA678) is a non-conjugated and Mouse originated monoclonal antibody about 68 kDa, targeting to RPA70 (8C3). It can be used for WB, ICC/IF, IP assays with tag free, in the background of Human, Monkey, Mouse, Rat.
Host:	Mouse
Reactivity:	Human, Monkey, Mouse, Rat
Conjugation:	Non-conjugated
SwissProt ID:	P27694
Research Field:	Epigenetics and Nuclear Signaling
Molecular Weight:	Predicted band size: 68 kDa

PROPERTIES

Formulation	Supplied in 1*PBS (pH 7.3), 50% glycerol and 0.5% BSA. Preservative: 0.02% sodium azide.	
Purity	affinity purified	
Storage & Stability	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.	
Appearance	Liquid	
Application & Dilution Ratio	Application	Dilution Ratio
	WB	1:500-1:1,000
	IF	1:50-1:200
	IP	1:20
Shipping	Shipping with blue ice.	

DESCRIPTION

Background	<p>RPA70 (8C3): 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]</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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