

For Research Use Only

RPA2 Recombinant monoclonal antibody, PBS Only

Catalog Number: 87254-1-PBS



Basic Information

Catalog Number: 87254-1-PBS	GenBank Accession Number: BC001630	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 6118	CloneNo.: 252472D6
Source: Rabbit	UNIPROT ID: P15927	
Isotype: IgG	Full Name: replication protein A2, 32kDa	
Immunogen Catalog Number: AG0690	Calculated MW: 29 kDa	
	Observed MW: 32 kDa	

Applications

Tested Applications:
WB, IF/ICC, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

RPA2, a subunit of the heterotrimeric replication protein A (RPA) complex, is overexpressed in various cancers. RPA2 is a major target for upstream kinases, including CDKs and the three PIKKs (ATR, ataxia-telangiectasia mutated [ATM], and DNA-PK). RPA2 comprises multiple critical Ser/Tr residues that are phosphorylated in sequential order in response to genotoxic stress.

Storage

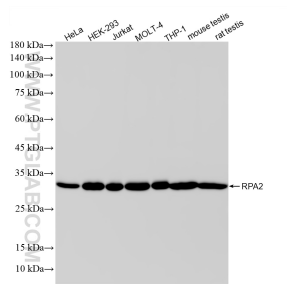
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

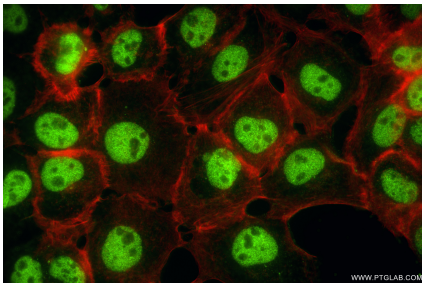
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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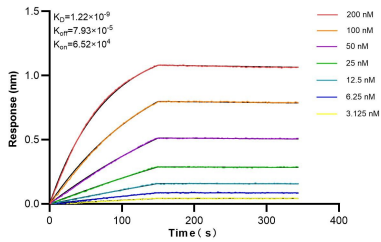
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87254-1-RR (RPA2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87254-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed A431 cells using RPA2 antibody (87254-1-RR, Clone: 252472D6) at dilution of 1:1000 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 87254-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 87254-1-RR against Human RPA were performed. The affinity constant is 1.22 nM.