



RPA32 (phospho Thr21) Monoclonal Antibody

Catalog No	BYmab-01355
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	RPA2
Protein Name	Replication protein A 32 kDa subunit
Immunogen	The antiserum was produced against synthesized peptide derived from human RFA2 around the phosphorylation site of Thr21. AA range:10-59
Specificity	Phospho-RPA32 (T21) Monoclonal Antibody detects endogenous levels of RPA32 protein only when phosphorylated at T21.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	RPA2; REPA2; RPA32; RPA34; Replication protein A 32 kDa subunit; RP-A p32; Replication factor A protein 2; RF-A protein 2; Replication protein A 34 kDa subunit; RP-A p34
Observed Band	35kD
Cell Pathway	Nucleus . Nucleus, PML body . Redistributes to discrete nuclear foci upon DNA damage in an ATR-dependent manner. .
Tissue Specificity	Kidney,Lung,Muscle,
Function	function:Required for DNA recombination, repair and replication. The activity of RP-A is mediated by single-stranded DNA binding and protein interactions.,PTM:Phosphorylated in a cell-cycle-dependent manner (from the S phase until mitosis). Phosphorylated by ATR upon DNA damage, which promotes its translocation to nuclear foci. Can be phosphorylated in vitro by PRKDC/DNA-PK in the presence of Ku and DNA, and by CDC2.,subcellular location:Also present in PML nuclear bodies. Redistributes to discrete nuclear foci upon DNA damage.,subunit:Heterotrimer of 70, 32 and 14 kDa chains. The

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DNA-binding activity may reside exclusively on the 70 kDa subunit. Binds to SERTAD3/RBT1. Interacts with TIPIN.,

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matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

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