

RPA p32(Phospho Ser33) Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP13892
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human RFA2 around the phosphorylation site of Ser33. AA range:1-50
Mol wt	29247
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	Replication protein A 32 kDa subunit
Synonyms	Replication protein A 32 kDa subunit; 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

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

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

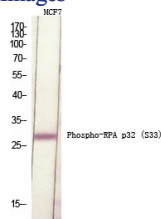
Recommended Dilution

WB: 1: 500 - 1: 2000

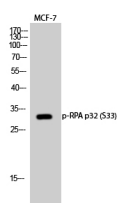
ELISA: 1: 10000

Not yet tested in other applications.

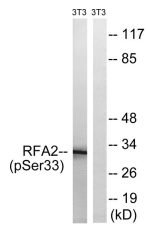
Images



Western Blot analysis of various cells using Phospho-RPA p32 (S33) Polyclonal Antibody diluted at 1:500



Western Blot analysis of MCF-7 cells using Phospho-RPA p32 (S33) Polyclonal Antibody diluted at 1:500



Western blot analysis of lysates from NIH/3T3 cells treated with Adriamycin 0.5ug/ml 24h, using RFA2 (Phospho-Ser33) Antibody. The lane on the right is blocked with the phospho peptide.

Storage

-20°C for 1 year

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