

RPA32(Phospho Thr21) Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP13897
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 Thr21. AA range:10-59
Mol wt	29247
Species reactivity	Human, Mouse
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, 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

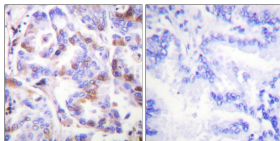
WB: 1: 500 - 1: 2000

IHC-p: 1: 100 - 1: 300

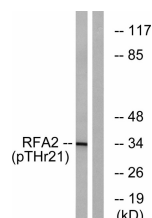
ELISA: 1: 10000

Not yet tested in other applications.

Images



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma, using RFA2 (Phospho-Thr21) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from HeLa cells treated with Adriamycin 0.5ug/ml 24h, using RFA2 (Phospho-Thr21) Antibody. The lane on the right is blocked with the phospho peptide.

Storage

-20°C for 1 year

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