

Product Datasheet

Phospho-RFA2 (Ser33) Antibody

Catalog No: AY0326

Reactivity: Human:S33,Mouse:S33,Rat:S33

Isotype: Rabbit IgG

Applications: WB,ELISA



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Information

UniProt ID: P15927

All Names: REPA2; replication factor-A protein 2; replication protein A 32 kDa subunit; replication protein A2; RF-A; RP-A; RPA2; RPA32

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: The antiserum was produced against synthesized phosphopeptide derived from human RFA2 around the phosphorylation site of serine 33 (A-P-SP-Q-A).

Molecular Wt.: 32kDa

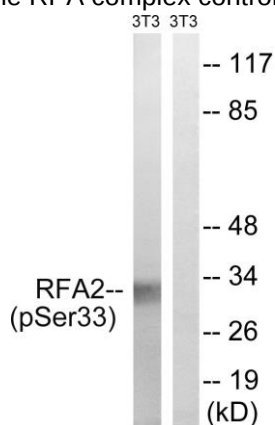
Application

WB: 1:500~1:3000

ELISA: 1:10000

Background

As part of the heterotrimeric replication protein A complex (RPA/RP-A), binds and stabilizes single-stranded DNA intermediates, that form during DNA replication or upon DNA stress. It prevents their reannealing and in parallel, recruits and activates different proteins and complexes involved in DNA metabolism. Thereby, it plays an essential role both in DNA replication and the cellular response to DNA damage. In the cellular response to DNA damage, the RPA complex controls DNA repair and DNA damage checkpoint activation.



Western blot analysis of extracts from 3T3 cells, treated with Adriamycin (0.5ug/ml, 24hours), using RFA2 (Phospho-Ser33) antibody.

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