

Datasheet for ABIN7138802
anti-RPA2 antibody (pThr21)



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1 Image

Overview

Quantity:	100 µL
Target:	RPA2
Binding Specificity:	pThr21
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RPA2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Peptide sequence around phosphorylation site of Threonine 21(G-Y-T(p)-Q-S) derived from Human RFA2.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using

Target Details

Target:	RPA2
Alternative Name:	RPA2 (RPA2 Products)

Target Details

Background:	Background: Required for DNA recombination, repair and replication. The activity of RP-A is mediated by single-stranded DNA binding and protein interactions. Required for the efficient recruitment of the DNA double-strand break repair factor RAD51 to chromatin in response to DNA damage. Ref.9 Ref.14 Ref.15 Ref.16 Functions as component of the alternative replication protein A complex (aRPA). aRPA binds single-stranded DNA and probably plays a role in DNA repair, it does not support chromosomal DNA replication and cell cycle progression through S-phase. In vitro, aRPA cannot promote efficient priming by DNA polymerase alpha but supports DNA polymerase delta synthesis in the presence of PCNA and replication factor C (RFC), the dual incision/excision reaction of nucleotide excision repair and RAD51-dependent strand exchange. Aliases: 60S acidic ribosomal protein P1 antibody, AA409079 antibody, A1325195 antibody, AU020965 antibody, ik:tdsubc_2g1 antibody, M(2)21C antibody, MGC137236 antibody, OTTHUMP00000004008 antibody, p32 antibody, p34 antibody, RCJMB04_6d17 replication protein A2, 32 kDa antibody, REPA2 antibody, Replication factor A protein 2 antibody, Replication protein A 32 kDa subunit antibody, Replication protein A 32 kDa subunit antibody, Replication protein A 34 kDa subunit antibody, Replication protein A antibody, Replication Protein A2 (32 kDa) antibody, Replication protein A2 antibody, Replication protein A2, 32 kDa antibody, RF-A protein 2 antibody, Rf-A2 antibody, RFA antibody, RFA2_HUMAN antibody, RP-A p32 antibody, RP-A p34 antibody, RP21C antibody, RPA 2 antibody, RPA 32 antibody, RPA antibody, Rpa2 antibody, RPA32 antibody, RPA34 antibody, RpLP1 antibody, RpP2 antibody, xx:tdsubc_2g1 antibody, zgc:109822 antibody
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UniProt:	P15927
Pathways:	Telomere Maintenance , DNA Damage Repair , Mitotic G1-G1/S Phases , DNA Replication , Synthesis of DNA

Application Details

Application Notes:	WB:1:500-1:1000,
Restrictions:	For Research Use only

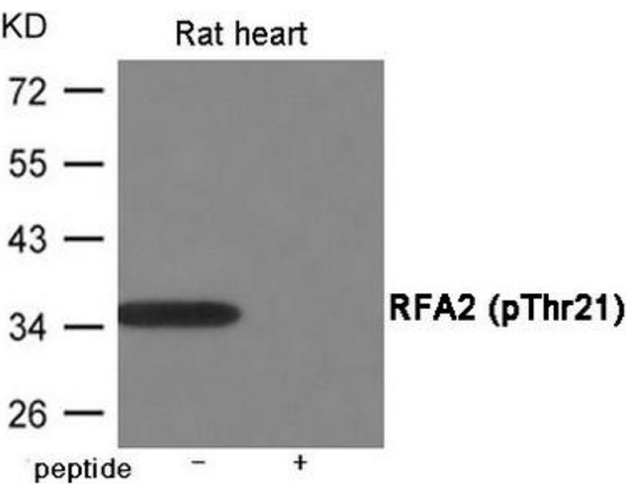
Handling

Format:	Liquid
Buffer:	Supplied at 1.0 mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Western Blotting

Image 1. Western blot analysis of extracts from Rat heart using RFA2 (Phospho-Thr21) Antibody. The lane on the right is treated with the antigen-specific peptide.