


Anti-RPA32/RPA2 antibody ab10359

13 References **画像数 3**

製品の概要

製品名	Anti-RPA32/RPA2 antibody
製品の詳細	Rabbit polyclonal to RPA32/RPA2
由来種	Rabbit
アプリケーション	適用あり: WB, IP, IHC-P
種交差性	交差種: Mouse, Human 交差が予測される動物種: Rabbit, Horse, Pig, Chimpanzee, Rhesus monkey, Gorilla, Bat, Elephant 
免疫原	Synthetic peptide corresponding to Human RPA32/RPA2 aa 200 to the C-terminus (C terminal). Database link: <u>P15927</u>
特記事項	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 7 Preservative: 0.1% Sodium azide Constituents: 0.021% PBS, 1.764% Sodium citrate, 1.815% Tris
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

The Abpromise guarantee

Abpromise保証は、次のテスト済みアプリケーションにおけるab10359の使用に適用されます

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
WB		1/500 - 1/2500. Detects a band of approximately 32 kDa (predicted molecular weight: 32 kDa).
IP		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration.

ターゲット情報

機能

Required for DNA recombination, repair and replication. The activity of RP-A is mediated by single-stranded DNA binding and protein interactions.

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.

翻訳後修飾

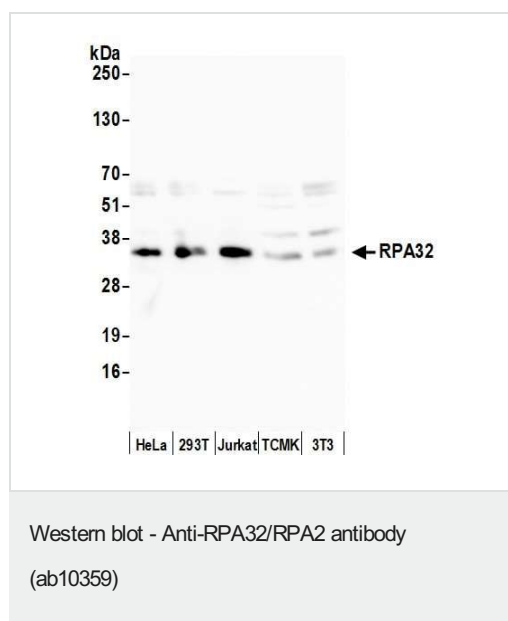
Phosphorylated in a cell-cycle-dependent manner (from the S phase until mitosis).

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 CDK1.

細胞内局在

Nucleus. Nucleus > PML body. Also present in PML nuclear bodies. Redistributes to discrete nuclear foci upon DNA damage.

画像



All lanes : Anti-RPA32/RPA2 antibody (ab10359) at 0.1 µg/ml

Lane 1 : HeLa whole cell lysate

Lane 2 : HEK293T whole cell lysate

Lane 3 : Jurkat whole cell lysate

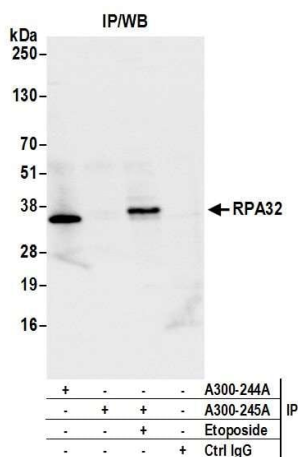
Lane 4 : Mouse TCMK-1 whole cell lysate

Lane 5 : Mouse NIH 3T3 whole cell lysate

Lysates/proteins at 5 µg per lane.

Predicted band size: 32 kDa

Exposure time: 10 seconds

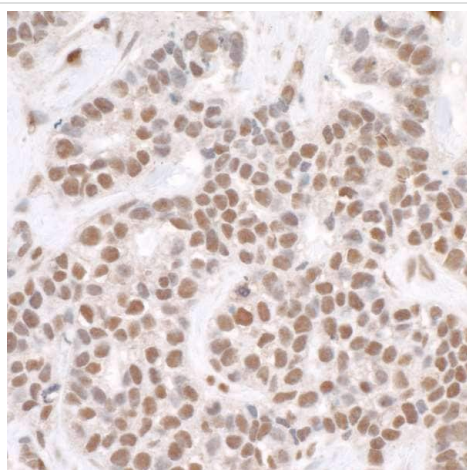


Immunoprecipitation - Anti-RPA32/RPA2 antibody (ab10359)

HeLa whole cell lysate cells treated with 100 μ M etoposide for 4 hours (+) or mock treated (-).

Affinity purified rabbit anti-RPA32 antibody (3 μ g) and rabbit anti-Phospho RPA32 antibody (1/100 dilution) were used.

Detection: Chemiluminescence



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RPA32/RPA2 antibody (ab10359)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human breast carcinoma tissue labelling RPA32/RPA2 with ab10359 at 1/5000 (0.2 μ g/ml). Detection: DAB.

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