


Anti-RPA32/RPA2 antibody ab97594

2 References **3 图像**

概述

产品名称	Anti-RPA32/RPA2抗体
描述	兔多克隆抗体to RPA32/RPA2
宿主	Rabbit
经测试应用	适用于: WB, IHC-P, ICC/IF
种属反应性	与反应: Human 预测可用于: Mouse, Rat, Cow 
免疫原	Recombinant protein fragment containing a sequence corresponding to a region within amino acids 1 and 172 of human RPA32/RPA2 (NP_002937)
阳性对照	293T, A431, H1299, HeLa, HepG2, MOLT4 and Raji cell lysates A549 xenograft HeLa cells
常规说明	<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>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	<p>pH: 7.00</p> <p>Preservative: 0.01% Thimerosal (merthiolate)</p> <p>Constituents: 1.21% Tris, 0.75% Glycine, 10% Glycerol (glycerin, glycerine)</p>
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab97594于以下的经测试应用

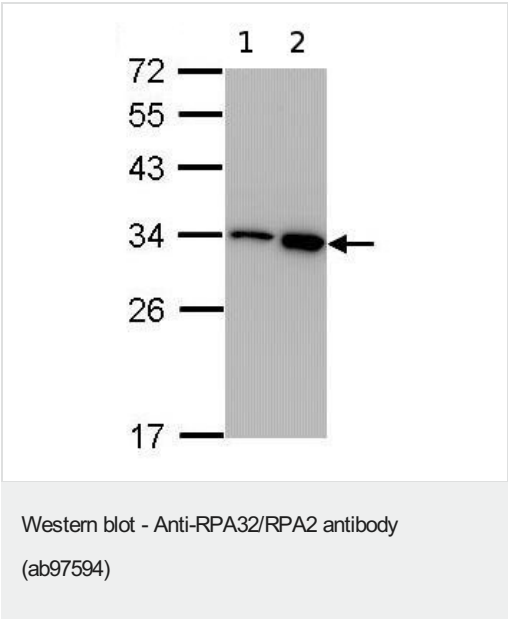
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/500 - 1/3000. Predicted molecular weight: 29 kDa.
IHC-P		1/100 - 1/250.
ICC/IF		1/100 - 1/200.

靶标

功能	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.
翻译后修饰	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.
细胞定位	Nucleus. Nucleus > PML body. Also present in PML nuclear bodies. Redistributes to discrete nuclear foci upon DNA damage.

图片



All lanes : Anti-RPA32/RPA2 antibody (ab97594) at 1/1000 dilution

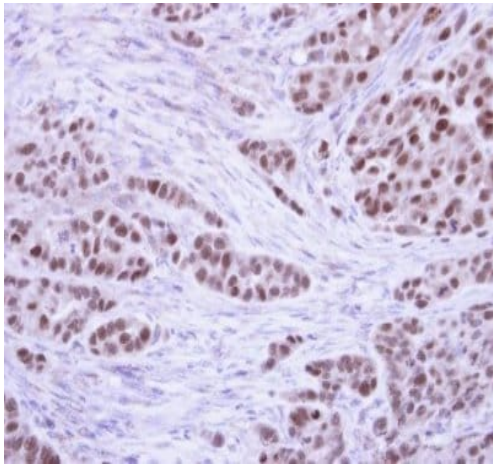
Lane 1 : 293T whole cell lysate

Lane 2 : A431 whole cell lysate

Lysates/proteins at 30 µg per lane.

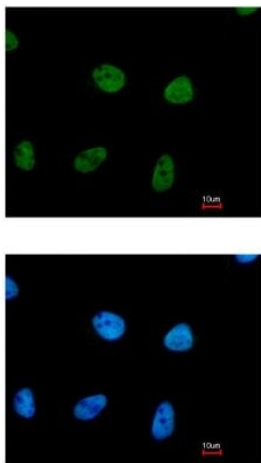
Predicted band size: 29 kDa

Gel conc 12% (SDS PAGE)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RPA32/RPA2 antibody (ab97594)

ab97594, at a 1/100 dilution, staining human RPA32/RPA2 in A549 xenograft, using Immunohistochemistry, Formalin/PFA-fixed paraffin-embedded tissue.



Immunocytochemistry/ Immunofluorescence - Anti-RPA32/RPA2 antibody (ab97594)

Immunofluorescence analysis of paraformaldehyde-fixed HeLa, using ab97594 at a 1/200 dilution (top image) and merged with DNA probe (bottom image).

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